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Health Sciences & Professions
This book examines the human
factors issues associated with
the development, testing, and

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implementation of helmet-mounted display technology in the 21st Century Land Warrior System. Because the framework of analysis is soldier performance with the system in the full range of environments and missions, the book discusses both the

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military context and the characteristics of the infantry soldiers who will use the system. The major issues covered include the positive and negative effects of such a display on the local and global situation awareness of the individual soldier, an analysis of

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the visual and psychomotor factors associated with each design feature, design considerations for auditory displays, and physical sources of stress and the implications of the display for affecting the soldier's workload. The book proposes an

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innovative approach to research and testing based on a three-stage strategy that begins in the laboratory, moves to controlled field studies, and culminates in operational testing.

If you want to get into the military, you have to take the

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Armed Services Vocational Battery (ASVAB). Anyone eligible for military service can take the ASVAB, so you can also use the ASVAB for other purposes, such as finding out what you're good at, in case you want to attend vocational school or college. In

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addition, you can also use the test to help you better understand your skills, for when you enter the job market. And the best thing is, it absolutely free. And while the ASVAB may not be rocket science, it can be very tricky and you don't want to

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tackle it without some help. With this book as your guide, you'll quickly gain the knowledge and confidence you need to pass the ASVAB with flying colors. Written by a professional test-prep coach and a retired military man, it arms you with: A comprehensive

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**review of all test subjects
Practice problems to sharpen
your skills Three complete
sample tests Guidance on which
tests are important to your
military career Study techniques
that will give you a competitive
edged Tips on how to compute**

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yours scores Information on the scores required for specific military jobs ASVAB For Dummies provides in-depth coverage of all ten ASVAB subsets. You get clear easy-to-understand reviews of all the basic concepts, formulas, and skills you need to answer every

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type of question in every subset. And you get dozens of mini-tests and practice problems that help you understand what areas you're strong in and which ones still need work. In not time, you'll: Pump up your vocabulary and reading comprehension skills

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and ace the verbal subsets Bone up on arithmetic procedures and mathematics concepts—and wrack up the points Get into gear with basic mechanical, auto shop, and electronics knowledge and cruise through the tests Quickly review basic science principles

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**and score like a rocket scientists!
ASVAB For Dummies is your
complete tactical guide to
improving your scores—on the
double.**

**Police Officer Exam Study Guide
2020-2021 Police Officer Exam
Preparation Book and Practice**

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**Test Questions Trivium LLC Fire
and Emergency Medical Services
Ergonomics A Guide for
Understanding and Implementing
an Ergonomics Program in Your
Department FEMA
Families Caring for an Aging
America**

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Sleep in the Military
The Story of Success
Outliers
Maritime Logistics

*NOTE: NO FURTHER
DISSCOUNT ON THIS*

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PRODUCT TITLE

--OVERSTOCK SALE --

*Significantly reduced list price
Traumatic brain injury (TBI) is
a complex condition for which
limited research exists. The
recent conflicts in Iraq and*

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Afghanistan have resulted in numerous service members returning home after sustaining TBI, and healthcare providers scrambling to find resources on how to treat them. This toolkit is a comprehensive source of

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inventories and therapy options for treating service members with mild TBI. All aspects of mild TBI are covered, including vestibular disorders, vision impairment, balance issues, posttraumatic headache,

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temporomandibular dysfunction, cognition, and fitness, among others. With easy-to-follow treatment options and evaluation instruments, this toolkit is a one-stop resource for clinicians and therapists

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working with patients with mild TBI.

Research suggests that ergonomists tend to restrict themselves to two or three of their favorite methods in the design of systems, despite a

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multitude of variations in the problems that they face. Human Factors and Ergonomics Methods delivers an authoritative and practical account of methods that incorporate human capabilities

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and limitations, envi

*From the bestselling author of
Blink and The Tipping Point,
Malcolm Gladwell's Outliers:
The Story of Success overturns
conventional wisdom about
genius to show us what makes*

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an ordinary person an extreme overachiever. Why do some people achieve so much more than others? Can they lie so far out of the ordinary? In this provocative and inspiring book, Malcolm Gladwell looks at

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everyone from rock stars to professional athletes, software billionaires to scientific geniuses, to show that the story of success is far more surprising, and far more fascinating, than we could ever

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have imagined. He reveals that it's as much about where we're from and what we do, as who we are - and that no one, not even a genius, ever makes it alone. Outliers will change the way you think about your own

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life story, and about what makes us all unique. 'Gladwell is not only a brilliant storyteller; he can see what those stories tell us, the lessons they contain' Guardian
'Malcolm Gladwell is a global

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phenomenon ... he has a genius for making everything he writes seem like an impossible adventure' Observer 'He is the best kind of writer - the kind who makes you feel like you're a genius, rather than he's a

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genius' The Times

The rapid introduction of sophisticated computers, services, telecommunications systems, and manufacturing systems has caused a major shift in the way people use and

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work with technology. It is not surprising that computer-aided modeling has emerged as a promising method for ensuring products meet the requirements of the consumer.

The Handbook of Digital

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Human Modeling provides comprehensive coverage of the theory, tools, and methods to effectively achieve this objective. The 56 chapters in this book, written by 113 contributing authorities from

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Canada, China, France, Germany, the Netherlands, Poland, Sweden, Taiwan, UK, and the US, provide a wealth of international knowledge and guidelines. They cover applications in advanced

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*manufacturing, aerospace,
automotive, data visualization
and simulation, defense and
military systems, design for
impaired mobility, healthcare
and medicine, information
systems, and product design.*

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The text elucidates tools to help evaluate product and work design while reducing the need for physical prototyping. Additional software and demonstration materials on the CRC Press web site include a

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*never-before-released 220-page
step-by-step UGS-Siemens
Jack™ help manual developed
at Purdue University. The
current gap between capability
to correctly predict outcomes
and set expectation for new and*

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existing products and processes affects human-system performance, market acceptance, product safety, and satisfaction at work. The handbook provides the fundamental concepts and tools

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for digital human modeling and simulation with a focus on its foundations in human factors and ergonomics. The tools identified and made available in this handbook help reduce the need for physical prototyping.

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They enable engineers to quantify acceptability and risk in design in terms of the human factors and ergonomics.

Improving Practice and Performance in Basketball

The Oxford Handbook of

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*Personnel Assessment and
Selection*

*Theoretical Foundations of
Health Education and Health
Promotion*

*Insights from 25 of Wall
Street's Elite*

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*Mild Traumatic Brain Injury
Rehabilitation Toolkit*

*The Cambridge Handbook of
Research Methods in Clinical
Psychology*

This book offers a student friendly
review of recent research in the

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application of cognitive methods, theories and models to real-world scenarios.

Have you ever just wondered about life? What is Life? Is there God? How do we fit into the universe? What is our relationship with other living things? What does it mean to be human?

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Doctor Ergo provides you with a firm background and vantage point from which to view those questions. You will gain a comprehensive perspective on Life and the human condition - from the Big Bang, through Life history on this planet, to the current condition of our human mind and species, and

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some solid thoughts on what Life....is. This is a Story of Life. In a Darwinian world, our mental capacity has enabled us to ascend to the pinnacle of the survival pyramid. Therefore, the essence of the story about our species centers on our mind. Our cognitive skills are built upon the neural

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architectures that originally developed for vision and for speech/hearing. We can be aware of the 2 sides of our mind through introspection of our own consciousness: Vision based - non-verbal emotions, feelings and intuitions coming from our vision-based cognition in our Right Brain. Speech

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based - words, thoughts, and reasoning coming from our speech-based cognition in our Left Brain. Vision developed quickly in the Cambrian Period (570 million years ago) when the earliest animals with body forms emerged. Vision enabled the animal to see the "world," and

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gave the animal a sense of "self," i.e. that which was viewing the world. Consequently the concepts of "world" and "self" are deeply embedded in the cognition that developed from the vision neurological architecture. Likewise, Darwinian survival necessitated identification of same-

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species animals (for protection and reproduction); hence the concept of "group" is also deeply embedded in the vision-based neurology. Our speech-based left brain has no equal anywhere else in Life on this planet. This is what has made possible the major advances of the human mind,

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separated us from the animals, and enabled us to conquer the planet. This Sensory Mind model clarifies Plato's writings and the psychological models that were developed by Sigmund Freud and Carl Jung. The personality types tested by Myers-Briggs, which are based on the theories of Carl

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Jung, are consistent with the Sensory Mind. Major trends in human history have been about the growth of our collective left brain in the governance of human affairs and its interplay with our vision-based (non-verbal) right mind. Our human "advances" have largely resulted from development of

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our speech-based mind, but the essence and truth of life comes to us from our vision-based mind. Our earliest groupings and civilizations were largely governed by vision-based animal grouping models. These have evolved into newer civilizations and human groupings that include

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participation and/or leadership of our left brain "group-think." We are very familiar with the concept of Darwinian survival and its role in the evolution of Life. However, Darwinian survival is simply the strategy or tactic that governs the advancement of Life. What is it that drives Life to engage in

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the Darwinian struggle for survival?
There IS a Life Drive that fuels
evolution...what is it? The Life Drive
permeates all of life and is the force
that drives Darwinian evolution. It is
theorized that Life is a previously
unidentified parameter in Einstein's
Theory of Relativity and that it exists at

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the conditions opposite to the Big Bang conditions. Most religious and belief systems, whether god-based such as Judaism, Christianity, or Islam, or spiritually-based such as Buddhism or Taoism, are oriented towards the ultimate truth that is Life. This book is the most comprehensive

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reference ever written for individuals interested in law enforcement selection. The chapters contain meta-analyses (statistical reviews of the literature) investigating the validity of methods used to predict police performance. These methods include education requirements, cognitive

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ability, background variables (e.g., military experience, arrest record, discipline problems at work), personality inventories, interest inventories, physical agility tests, assessment centers, and interviews. The first chapter in the book is a short primer on meta-analysis that informs

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the reader about the purpose of meta-analysis and how to interpret the meta-analysis tables contained in the book. Chapter 2 describes the methods used to conduct the meta-analyses for this project. Chapters 3-11 list the meta-analysis results for the various predictors of police performance.

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Chapter 12 describes a meta-analysis of the relationships among criteria (e.g., performance ratings, discipline problems, commendations), Chapter 13 describes a meta-analysis of the relationships among selection methods, and Chapter 14 describes a meta-analysis of the relationship

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between the various criteria and sex, race, age, and tenure. Chapter 15 summarizes the previous chapters and identifies future research needs.

This guide is intended to offer both small and large, career and volunteer departments, specific recommendations and example for

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applying ergonomics. The guide's contents includes an introduction to ergonomics, ergonomic-related disorders, developing an ergonomics program, ergonomic hazards, preventing and controlling ergonomic hazards, training, medical management, procedures for reporting

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injuries, implementing the ergonomic program, and evaluating program effectiveness.

An Introduction to Industrial and
Organisation Psychology
Proceedings of the AHFE 2021 Virtual
Conferences on Neuroergonomics and
Cognitive Engineering, Industrial

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Cognitive Ergonomics and
Engineering Psychology, and
Cognitive Computing and Internet of
Things, July 25-29, 2021, USA
Fundamentals of Biomechanics
Armor Senior Sergeant
First International Conference, ICDHM
2007, Held as Part of HCI International

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2007, Beijing, China, July 22-27, 2007,
Proceedings

Mistaken Identification

Topics Include: industrial ergonomics, risk,
accidents and accident prevention, safety
and surveillance, posture perception,
cognitive ergonomics, telerobotics, military
occupational ergonomics, and international

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ergonomics.

This handbook distills the science and practice of employee selection. Bringing together over 40 chapters, this volume includes essential information about the validation process, individual difference constructs and measures, and performance outcomes and measures.

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Examines traditional safeguards against mistaken eyewitness identification.

With contributions from an international group of authors with diverse backgrounds, this set comprises all fourteen volumes of the proceedings of the 4th AHFE Conference 21-25 July 2012. The set presents the latest research on current

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issues in Human Factors and Ergonomics. It draws from an international panel that examines cross-cultural differences, design issues, usability, road and rail transportation, aviation, modeling and simulation, and healthcare.

Research in Law Enforcement Selection
Pondering Life

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A Guide to Contemporary Shipping and
Port Management

Cumulated Index Medicus

International Review of Industrial and
Organizational Psychology 2006

The Eyewitness, Psychology and the Law

Praise for How I Became a

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Quant "Led by two top-notch quants, Richard R. Lindsey and Barry Schachter, How I Became a Quant details the quirky world of quantitative analysis through stories told by some of today's most

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successful quants. For anyone who might have thought otherwise, there are engaging personalities behind all that number crunching!" --Ira Kawaller, Kawaller & Co. and the

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Kawaller Fund "A fun and fascinating read. This book tells the story of how academics, physicists, mathematicians, and other scientists became professional investors

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***managing billions." --David
A. Krell, President and CEO,
International Securities
Exchange "How I Became a
Quant should be must
reading for all students with
a quantitative aptitude. It***

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***provides fascinating
examples of the dynamic
career opportunities
potentially open to anyone
with the skills and passion
for quantitative analysis."
--Roy D. Henriksson, Chief***

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***Investment Officer,
Advanced Portfolio
Management
"Quants"--those who design
and implement
mathematical models for the
pricing of derivatives,***

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assessment of risk, or prediction of market movements--are the backbone of today's investment industry. As the greater volatility of current financial markets has driven

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***investors to seek shelter
from increasing uncertainty,
the quant revolution has
given people the
opportunity to avoid
unwanted financial risk by
literally trading it away, or***

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more specifically, paying someone else to take on the unwanted risk. How I Became a Quant reveals the faces behind the quant revolution, offering you?the?chance to learn

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firsthand what it's like to be a quant today. In this fascinating collection of Wall Street war stories, more than two dozen quants detail their roots, roles, and contributions, explaining

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what they do and how they do it, as well as outlining the sometimes unexpected paths they have followed from the halls of academia to the front lines of an investment revolution.

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A respected resource for decades, the Guide for the Care and Use of Laboratory Animals has been updated by a committee of experts, taking into consideration input from the scientific and

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***laboratory animal
communities and the public
at large. The Guide
incorporates new scientific
information on common
laboratory animals,
including aquatic species,***

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and includes extensive references. It is organized around major components of animal use: Key concepts of animal care and use. The Guide sets the framework for the humane care and use

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***of laboratory animals.
Animal care and use
program. The Guide
discusses the concept of a
broad Program of Animal
Care and Use, including
roles and responsibilities of***

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***the Institutional Official,
Attending Veterinarian and
the Institutional Animal Care
and Use Committee. Animal
environment, husbandry,
and management. A chapter
on this topic is now divided***

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into sections on terrestrial and aquatic animals and provides recommendations for housing and environment, husbandry, behavioral and population management, and more.

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Veterinary care. The Guide discusses veterinary care and the responsibilities of the Attending Veterinarian. It includes recommendations on animal procurement and transportation, preventive

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medicine (including animal biosecurity), and clinical care and management. The Guide addresses distress and pain recognition and relief, and issues surrounding euthanasia.

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Physical plant. The Guide identifies design issues, providing construction guidelines for functional areas; considerations such as drainage, vibration and noise control, and

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***environmental monitoring;
and specialized facilities for
animal housing and research
needs. The Guide for the
Care and Use of Laboratory
Animals provides a
framework for the***

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judgments required in the management of animal facilities. This updated and expanded resource of proven value will be important to scientists and researchers, veterinarians,

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***animal care personnel,
facilities managers,
institutional administrators,
policy makers involved in
research issues, and animal
welfare advocates.
Ergonomics is concerned***

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with the 'fit' between people and their work. With an increasing number of people becoming conscious about their health and participating in sport or physical activity,

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ergonomics has become an increasingly prominent concern within the sport and exercise sciences. From the design of footwear and artificial playing surfaces, to studies of proprioception by

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obese children , the way in which people interact with their environment - designed and natural - has important implications for performance sport and for the design of safe and

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beneficial forms of physical activity. The Routledge Handbook of Ergonomics in Sport and Exercise is the first book to offer a comprehensive and in-depth survey of cutting-edge

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scientific research into ergonomics in sport and exercise. Written by world-leading international scientists and researchers, the book explores key topics such as: Musculoskeletal

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***adaptation to sports and
exercise Environmental
factors of injury and fatigue
Load weight and
performance Ergonomics in
adapted sports and exercise
Measurement in sports and***

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***exercise Modeling and
simulation in ergonomics
design Influence of playing
surface, footwear and
equipment design Bridging
the gap between
fundamental scientific***

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research in sport and exercise and applications in sport and exercise contexts, this is an important reference for all advanced students, researchers and professionals working in

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***sport and exercise science,
kinesiology, sports
technology, sports
engineering, ergonomics,
and product design.
Scientific and commercial
interest in the field of***

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nutritional neuroscience has grown immensely over the last decade. Today, a broad range of dietary supplements, foods for weight loss, functional foods, nutraceuticals, and

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medical foods are widely available. Many of these products are marketed for their effects on behavior or brain function, which relates directly to nutritional neuroscience and raises

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issues regarding their safety and efficacy. The only comprehensive reference on this subject, Nutritional Neuroscience discusses the relationship of nutrition to behavior and neuroscience.

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Following a review of fundamental issues and methods, the book covers the effects of macronutrients and micronutrients on brain function and behavior.

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Chapters are devoted to the effects of a wide range of foods, specific nutrients, food constituents, and food additives on cognitive behavior and development. The final section examines

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foods and supplements that modulate brain function. With a broad range of information presented in a simple and straightforward manner, this book provides an ideal introduction to

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***nutritional neuroscience.
The depth of information
and comprehensive
coverage also make this an
essential reference for
specialists involved in
nutrition, neuroscience,***

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***pharmacology, psychology,
and related disciplines.***

***Routledge Handbook of
Ergonomics in Sport and
Exercise***

***The Encyclopaedia of Sports
Medicine: An IOC Medical***

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***Commission Publication, The
Olympic Textbook of Science
in Sport***

Usability Assessment

Digital Human Modeling

How I Became a Quant

Nutritional Neuroscience

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Usability Assessment is a concise volume for anyone requiring knowledge and practice in assessing the usability of any type of product, tool, or system before it is launched. It provides a brief history and rationale for conducting

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usability assessments and examples of how usability assessment methods have been applied, takes readers step by step through the process, highlights challenges and special cases, and offers real-life examples. By the

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end of the book, readers will have the knowledge and skills they need to conduct their own usability assessments without requiring that they read textbooks or attend workshops. This book will be valuable for undergraduate and

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graduate students; practitioners;
usability professionals; human-
computer interaction professionals;
researchers in fields such as
industrial design,
industrial/organizational
psychology, and computer science;

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and those working in a wide range of content domains, such as health care, transportation, product design, aerospace, and manufacturing.

This is the twenty-first in the most prestigious series of annual

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volumes in the field of industrial and organizational psychology. The series provides authoritative and integrative reviews of the key literature of industrial psychology and organizational behaviour. The chapters are written by established

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experts and topics are carefully chosen to reflect the major concerns in both the research literature and in current practice. Reflecting the ethos of the series as a whole, this twenty-first volume provides scholarly, state-of-the-art

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overviews of developments across a diverse range of areas, including: attribution theory, performance appraisal, women at work, international management, task analysis, and qualitative research methods. Each chapter offers a

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comprehensive and critical survey of the chosen topic, and each is supported by a valuable bibliography. For advanced students, academics and researchers, as well as professional psychologists and managers, this

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remains the most authoritative and current guide to new developments and established knowledge in the field of industrial and organizational psychology.

Fundamentals of Biomechanics introduces the exciting world of how

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human movement is created and how it can be improved. Teachers, coaches and physical therapists all use biomechanics to help people improve movement and decrease the risk of injury. The book presents a comprehensive review of the

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major concepts of biomechanics and summarizes them in nine principles of biomechanics.

Fundamentals of Biomechanics concludes by showing how these principles can be used by movement professionals to improve

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human movement. Specific case studies are presented in physical education, coaching, strength and conditioning, and sports medicine. This book offers a broad overview of the field of cognitive engineering and neuroergonomics, covering

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emerging practices and future trends toward the harmonious integration of human operators and computational systems. It gathers both theoretical and practice-oriented studies on mental workload and stress, activity theory,

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human reliability, error and risk. It covers applications in various field, and corresponding strategies to make assistive technologies more user-oriented. Further, the book describes key advances in our understanding of cognitive

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processes, including mechanisms of perception, memory, reasoning, and motor response, with a particular focus on their role in interactions between humans and other elements of computer-based systems. Gathering the

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proceedings of the AHFE 2021
Conferences on Neuroergonomics
and Cognitive Engineering,
Industrial Cognitive Ergonomics
and Engineering Psychology, and
Cognitive Computing and Internet
of Things, held virtually on July

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25-29, 2021, from USA, this book offers extensive information and a thought-provoking guide for researchers and practitioners in cognitive engineering, neuroergonomics and their applications.

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Tactical Display for Soldiers
FRA Guide for Preparing
Accidents/incidents Reports
How to Measure the Usability of
Products, Services, and Systems
Handbook of Human Factors and
Ergonomics Methods

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Organizing, Training, and
Equipping the Air Force Cyber
Workforce

Police Officer Exam Study Guide
2020-2021

*Despite being one of the most popular
sports worldwide, basketball has received*

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limited research attention compared to other team sports. Establishing a strong evidence base with high-quality and impactful research is essential in enhancing decision-making processes to optimize player performance for basketball professionals. Consequently, the book entitled Improving Performance

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and Practice in Basketball provides a collection of novel research studies to increase the available evidence on various topics with strong translation to practice in basketball. The book includes work by 40 researchers from 16 institutions or professional organizations from 9 countries. In keeping with notable

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topics in basketball research, the book contains 2 reviews focused on monitoring strategies to detect player fatigue and considerations for travel in National Basketball Association players. In addition, 8 applied studies are also included in the book, focused on workload monitoring, game-related

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statistics, and the measurement of physical and skill attributes in basketball players. This book also has a strong focus on increasing the evidence available for female basketball players, who have traditionally been under-represented in the literature. The outcomes generated from this book should provide new

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insights to inform practice in many areas for professionals working in various roles with basketball teams.

This book integrates philosophy of science, data acquisition methods, and statistical modeling techniques to present readers with a forward-thinking perspective on clinical science. It reviews

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modern research practices in clinical psychology that support the goals of psychological science, study designs that promote good research, and quantitative methods that can test specific scientific questions. It covers new themes in research including intensive longitudinal designs, neurobiology, developmental

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psychopathology, and advanced computational methods such as machine learning. Core chapters examine significant statistical topics, for example missing data, causality, meta-analysis, latent variable analysis, and dyadic data analysis. A balanced overview of observational and experimental designs is

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also supplied, including preclinical research and intervention science. This is a foundational resource that supports the methodological training of the current and future generations of clinical psychological scientists.

Patient-centered, high-quality health care relies on the well-being, health, and

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safety of health care clinicians. However, alarmingly high rates of clinician burnout in the United States are detrimental to the quality of care being provided, harmful to individuals in the workforce, and costly. It is important to take a systemic approach to address burnout that focuses on the structure,

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organization, and culture of health care. Taking Action Against Clinician Burnout: A Systems Approach to Professional Well-Being builds upon two groundbreaking reports from the past twenty years, To Err Is Human: Building a Safer Health System and Crossing the Quality Chasm: A New Health System for

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the 21st Century, which both called attention to the issues around patient safety and quality of care. This report explores the extent, consequences, and contributing factors of clinician burnout and provides a framework for a systems approach to clinician burnout and professional well-being, a research

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agenda to advance clinician well-being, and recommendations for the field.

The approach to the book is analogous to a toolkit. The user will open the book and locate the tool that best fits the ergonomic assessment task he/she is performing.

The chapters of the book progress from the concept of ergonomics, through the

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various assessment techniques, and into the more complex techniques. In addition to discussing the techniques, this book presents them in a form that the readers can readily adapt to their particular situation. Each chapter, where applicable, presents the technique discussed in that chapter and

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demonstrates how it is used. The supporting material at the end of each chapter contains exercises, case studies and review questions. The case study section of the book presents how to use techniques to analyze a range of workplace scenarios. Topics include: The Basics of Ergonomics; Anthropometry;

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Office Ergonomics; Administrative Controls; Biomechanics; Hand Tools; Vibration; Workstation Design; Manual Material Handling; Job Requirements and Physical Demands Survey; Ergonomic Survey Tools; Work-related Musculoskeletal Disorders; How to Conduct an Ergonomics Assessment; and

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Case Studies

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ASVAB For Dummies

*Advances In Industrial Ergonomics And
Safety IV*

Proceedings of the 4th AHFE

Conference 21-25 July 2012

An Introduction to Applied Cognitive

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Psychology

*Research for Applied Ergonomics and
Human Factors Engineering*

In response to a tasking
from the Air Force chief of
staff, the Air Force
Research Institute conducted
a review of how the service

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organizes, educates/trains,
and equips its cyber
workforce. The resulting
findings were used to
develop recommendations for
how the Air Force should
recruit, educate, train, and
develop cyber operators from

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the time they are potential accessions until they become senior leaders in the enlisted and officer corps. This study's discoveries, analyses, and recommendations are aimed at guiding staff officers and

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senior leaders alike as they consider how to develop a future cyber workforce that supports both Air Force and US Cyber Command missions across the range of military operations.

"Rand National Defense

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Research Institute."

Globalisation and the rapid increase in world trade in the past decade have contributed to greater demand for international transport and logistics and, consequently, the expansion

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of the maritime industry.
The dramatic changes in the
mode of world trade and
cargo transportation make it
more important than ever to
have a clear understanding
of the way in which freight
is transported by sea and

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the role of ports in this exchange. At the cutting edge in its assessment of the industry, Maritime Logistics covers the whole scope of maritime logistics and examines latest logistical developments

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within the port and shipping industry. With a range of new international contributors, this new edition has been thoroughly revised and updated. There are new chapters on port centric logistics,

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over fifty years' experience in the field, Maritime Logistics provides a truly global perspective. The book covers everything that students of logistics, as well as those working within the industry, need to know

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about maritime logistics, including shipping lines, containers, tankers, dry bulk, port-centric logistics, and much more. Family caregiving affects millions of Americans every day, in all walks of life.

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At least 17.7 million individuals in the United States are caregivers of an older adult with a health or functional limitation. The nation's family caregivers provide the lion's share of long-term care for our older

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adult population. They are also central to older adults' access to and receipt of health care and community-based social services. Yet the need to recognize and support caregivers is among the

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least appreciated challenges facing the aging U.S. population. Families Caring for an Aging America examines the prevalence and nature of family caregiving of older adults and the available evidence on the

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effectiveness of programs, supports, and other interventions designed to support family caregivers. This report also assesses and recommends policies to address the needs of family caregivers and to minimize

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the barriers that they
encounter in trying to meet
the needs of older adults.

Promoting Healthy Sleep

Among U.S. Servicemembers

Occupational Ergonomics

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Soldier's Guide :.

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This new volume in the Encyclopaedia of Sports Medicine series, published under the auspices of the International Olympic Committee, delivers an up-to-

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date, state of the art presentation of the scientific aspects of conditioning, injury prevention, and competition. The book covers the key areas of scientific knowledge in sport and is divided into: physiology and biochemistry; nutrition; anthropometry; immunology; cell

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biology; biomechanics, engineering and ergonomics; psychology; pharmacology; limitations to performance; special populations; and exercise and health. Presented in a clear style and format, The Olympic Textbook of Science in Sport, draws on

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the expertise of an international collection of contributors who are recognized as leaders in their respective fields. It will be indispensable for all sport scientists and medical doctors who serve athletes and sports teams and is an invaluable reference for

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students of sport and exercise science.

This book constitutes the refereed proceedings of the First International Conference on Digital Human Modeling, DHM 2007, held in Beijing, China in July 2007. The papers thoroughly cover the thematic area of

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digital human modeling, addressing the following major topics: shape and movement modeling and anthropometry, building and applying virtual humans, medical and rehabilitation applications, as well as industrial and ergonomic applications.

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