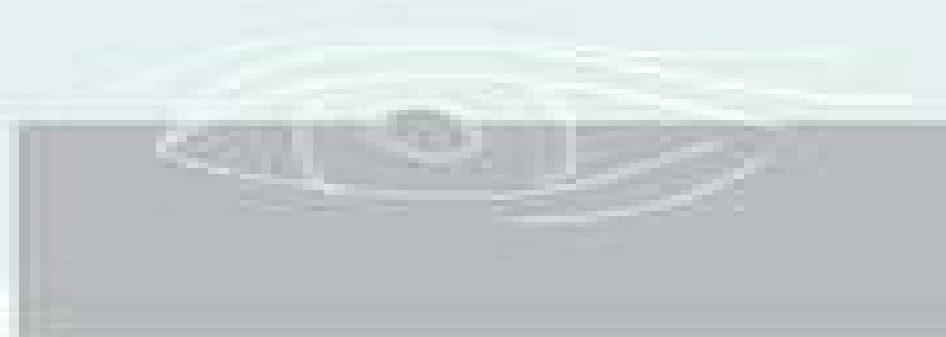




AGING AND SKILLED PERFORMANCE

*Advances in Theory
and Applications*

Edited by
Wendy A. Rogers
Arthur D. Fisk
Neff Walker



A Psychology Press Book

R

Aging And Skilled Performance Advances In Theory And Applications

Roger W. Morrell



Aging And Skilled Performance Advances In Theory And Applications:

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of aging or by an expert in the field of skill many expert in both areas *The Oxford Handbook of Sport and Performance Psychology* Shane Murphy, 2012-08-16 The Oxford Handbook of Sport and Performance Psychology includes the latest research and applied perspectives from leaders in the field of performance psychology Current and comprehensive this foundational volume presents sport and performance psychology from myriad perspectives including individual psychological processes in performance such as attention imagery superior performance intelligence motivation anxiety confidence cognition and emotion the social psychological processes in performance including leadership teamwork coaching relationships moral behavior and gender and cultural issues human development issues in performance such as the development of talent and expertise positive youth development the role of the family end of involvement transitions and both youth and masters level sport and physical activity programs interventions in sport and performance psychology and counseling of performers in distress including such important issues for all performers as appearance and performance enhancing drug use injuries managing pain eating and weight issues burnout and the role of physical activity in maintaining health The chapters collected here also cover the history of sport and performance psychology the scope and nature of the field ethical issues in sport and performance psychology performance psychology in the performing arts and other non sporting fields perfectionism and performance the role of the performance coach and of the sport psychologist with a coach and team supervision and a look ahead to the future of the field Attention and Performance XVII Daniel Gopher, Asher Koriath, 1999 In 1966 the first meeting of the Association for the Study of Attention and Performance was held in the Netherlands to promote the emerging science of cognitive psychology This volume is based on the most recent conference held in Israel thirty years later The focus of the conference was the interaction between theory and application The organizers chose the specific topic cognitive regulation of performance because it is an area where contemporary theories of cognitive processes meet the everyday challenges posed by human interactions with complex systems Present day technological systems impose on the operator a variety of supervisory functions such as input and output monitoring allocation of cognitive resources choice of strategies and regulation of cognitive operations A challenge for engineers and designers is to accommodate the cognitive requirements called for by these systems The book is divided into four sections the presentation and representation of information cognitive regulation of acquisition and performance consciousness and behavior and special populations aging and neurological disorders Contributors Nicole D Anderson Moshe Bar Lynn Bardell Alice E Barnes Irving Biederman Robert A Bjork Richard A Block Fergus I M Craik Heiner Deubel John Dunlosky Ido Erev Ronald Fisher John M Flach Barry Goettl Morris Goldsmith Daniel Gopher Lynn Hasher Okihide Hikosaka Larry L Jacoby Peter Kalocsai Colleen Kelley David E Kieras Roberta Klatzky Asher Koriath Arthur F Kramer Elisabetta Ladavas John L Larish Susan J Lederman John Long Cynthia P May Guiliana Mazzoni Brian McElree David Meyer Satoru Miyauchi Neville Moray Louis Narens Thomas O Nelson Raymond S Nickerson Lynne Reder J Wesley Regian Ian Robertson Wolfgang Schneider

Christian D Schunn Wayne Shebilske Shinsuke Shimojo Suresh Subramaniam Tom N Trainham Jehoshua Tsal Timothy A Weber Christopher Wickens Rose T Zacks Dan Zakay **Impact of Technology on Successful Aging** K. Warner Schaie, PhD, Neil Charness, PhD, 2003-09-23 This volume provides a detailed examination of changes in technology that impact individuals as they age with an emphasis upon cultural contexts and person environment fit from human factors psychological and sociological perspectives The editors take into consideration the role of macro influences in shaping technological changes in industrialized societies that effect successful aging in terms of quality of life Topics discussed include human factors and aging the impact of the internet and assistive technology As a special feature each chapter is followed by two commentaries from experts in the same and neighboring disciplines Computer Access for People with Disabilities Richard C. Simpson, 2013-01-11 Incorporating Compass Computer Access Assessment software Computer Access for People with Disabilities A Human Factors Approach provides the information clinicians need to know in order to provide effective alternative computer access solutions to individuals with disabilities Originally developed for a masters level course on computer access for rehabilitation engineers and rehabilitation counselors it provides practical guidance on how to provide computer access services and sufficient background knowledge to allow the reader to interpret the research literature Presents technology for individuals with physical cognitive and sensory impairments and for older adults Covers text entry devices pointing devices switch access automatic speech recognition and web accessibility Emphasizes fundamental concepts and principles that remain true regardless of which specific operating system or product is being used Draws on research from the fields of rehabilitation engineering occupational therapy and human computer interaction HCI

Attention Arthur F. Kramer, Douglas A. Wiegmann, Alex Kirlik, 2006-12-28 The study of attention in the laboratory has been crucial to understanding the mechanisms that support several different facets of attentional processing Our ability to both divide attention among multiple tasks and stimuli and selectively focus it on task relevant information while ignoring distracting task irrelevant information as well as how top down and bottom up factors influence the way that attention is directed within and across modalities Equally important however is research that has attempted to scale up to the real world this empirical work on attention that has traditionally been well controlled by limited laboratory paradigms and phenomena These types of basic and theoretically guided applied research on attention have benefited immeasurably from the work of Christopher Wickens This book honors Wickens many important contributions to the study of attention by bringing together researchers who examine real world attentional problems and questions in light of attentional theory The research fostered by Wickens contributions will enrich not only our understanding of human performance in complex real world systems but also reveal the gaps on our knowledge of basic attentional processes *The Silver Market Phenomenon* Florian Kohlbacher, Cornelius Herstatt, 2010-11-01 The current shift in demographics aging and shrinking populations in many countries around the world presents a major challenge to companies and societies alike One particularly essential implication

is the emergence and constant growth of the so called graying market or silver market the market segment more or less broadly defined as those people aged 50 and older Increasing in number and share of the total population while at the same time being relatively well off this market segment can be seen as very attractive and promising although still very underdeveloped in terms of product and service offerings This book offers a thorough and up to date analysis of the challenges and opportunities in leveraging innovation technology product development and marketing for older consumers and employees Key lessons are drawn from a variety of industries and countries including the lead market Japan Older Adults, Health Information, and the World Wide Web Roger W. Morrell,2001-11-01 Older Adults Health Information and the World Wide Web is devoted to the exploration of how the World Wide Web might be used to deliver current easily accessible health information to adults over the age of 60 and their caregivers The book considers how age related changes in vision cognitive function and motor skills affect the delivery and comprehension of health information The volume is divided into four separate sections Within these sections individual chapters trace the increasing use of the Web by older adults and offer suggestions on how use can be increased discuss federal government initiatives on increasing use of the Web by older adults offer guidelines that might be applied to Web site design for older adults and describe actual projects in which older adults utilize the Web for various outcomes Intended for health care providers health service providers and older adults and their caregivers this book is also of interest to researchers in aging cognition and human factors The Aging Mind National Research Council,Commission on Behavioral and Social Sciences and Education,Board on Behavioral, Cognitive, and Sensory Sciences,Committee on Future Directions for Cognitive Research on Aging,2000-05-18 Possible new breakthroughs in understanding the aging mind that can be used to benefit older people are now emerging from research This volume identifies the key scientific advances and the opportunities they bring For example science has learned that among older adults who do not suffer from Alzheimer s disease or other dementias cognitive decline may depend less on loss of brain cells than on changes in the health of neurons and neural networks Research on the processes that maintain neural health shows promise of revealing new ways to promote cognitive functioning in older people Research is also showing how cognitive functioning depends on the conjunction of biology and culture The ways older people adapt to changes in their nervous systems and perhaps the changes themselves are shaped by past life experiences present living situations changing motives cultural expectations and emerging technology as well as by their physical health status and sensory motor capabilities Improved understanding of how physical and contextual factors interact can help explain why some cognitive functions are impaired in aging while others are spared and why cognitive capability is impaired in some older adults and spared in others On the basis of these exciting findings the report makes specific recommends that the U S government support three major new initiatives as the next steps for research

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