This is the first handbook where the world’s foremost “experts on expertise” review our scientific knowledge on expertise and expert performance and how experts may differ from non-experts in terms of their development, training, reasoning, knowledge, social support, and innate talent. Methods are described for the study of experts’ knowledge and their performance of representative tasks from their domain of expertise. The development of expertise is also studied by retrospective interviews and the daily lives of experts are studied with diaries. In 15 major domains of expertise, the leading researchers summarize our knowledge of the structure and acquisition of expert skill and knowledge and discuss future prospects. General issues that cut across most domains are reviewed in chapters on various aspects of expertise, such as general and practical intelligence, differences in brain activity, self-regulated learning, deliberate practice, aging, knowledge management, and creativity.

K. Anders Ericsson is Conradi Eminent Scholar and Professor of Psychology at Florida State University. In 1976 he received his Ph.D. in Psychology from University of Stockholm, Sweden, followed by a postdoctoral fellowship at Carnegie-Mellon University. His current research concerns the structure and acquisition of expert performance and in particular how expert performers acquire and maintain their superior performance by extended deliberate practice. He has published many books, including Toward a General Theory of Expertise: Prospects and Limits and The Road to Excellence: The Acquisition of Expert Performance in the Arts and Sciences, Sports, and Games.

Neil Charness is Professor of Psychology at Florida State University and Research Associate at the Pepper Institute on Aging and Public Policy at Florida State University. He received his Ph.D. (1974) in Psychology from Carnegie-Mellon University. His research on expertise focuses on how people develop and preserve high-level performance across the life span. He has published more than 100 articles and chapters on the topics of expert performance, age, and human factors. He is on the editorial boards of Psychology and Aging, the Journal of Gerontology: Psychological Sciences, and Gerontechnology.

Paul J. Feltovich is a Research Scientist at the Florida Institute for Human and Machine Cognition, Pensacola, Florida. He has conducted research and published on topics such as expert-novice differences in complex cognitive skills, conceptual understanding and misunderstanding for complex knowledge, and novel means of instruction in complex and ill-structured knowledge domains. Since joining FIHMC, he has been investigating coordination, regulation, and teamwork in mixed groups of humans and intelligent software agents. He has authored nearly 100 professional articles and two prior books.

Robert R. Hoffman, Ph.D., is a Research Scientist at the Florida Institute for Human and Machine Cognition, Pensacola, Florida. He is also an Adjunct Instructor at the Department of Psychology of the University of West Florida in Pensacola. His research has garnered him a designation as one of the pioneers of Expertise Studies. Hoffman has been recognized on an international level in at least five disciplines – remote sensing, meteorology, experimental psychology, human factors, and artificial intelligence. Within psycholinguistics, he has made pioneering contributions, having founded the journal Metaphor & Symbol, and having written extensively on the theory of analogy. He is coeditor of the regular department “Human Centered Computing” in the journal IEEE: Intelligent Systems.
The Cambridge Handbook
of Expertise and Expert Performance

Edited by
K. Anders Ericsson
Florida State University

Neil Charness
Florida State University

Paul J. Feltovich
Florida Institute for Human and Machine Cognition

Robert R. Hoffman
Florida Institute for Human and Machine Cognition
Anders Ericsson would like to dedicate this Handbook to his wife, Natalie; to his two children Lina and Jens; and to his grandson, Jakob.

Neil Charness would like to dedicate this Handbook to his wife, Beth; to his two children, Michelle and Alan; and to his two grandchildren, Benjamin and Madeline.

Paul Feltovich would like to dedicate this Handbook to his wife, Joan, and to his three children, Ellen, Andrew, and Anne.

Robert Hoffman would like to dedicate this Handbook to his wife, Robin, and to his two children Rachel and Eric.
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Contributors

PHILLIP L. ACKERMAN
School of Psychology
Georgia Institute of Technology

RAY J. AMIRAULT
Instructional Technology
Wayne State University

JASON S. AUGUSTYN
Department of Psychology
University of Virginia

MARGARET E. BEIER
Department of Psychology
Rice University

ROBERT K. BRANSON
Instructional Systems
College of Education
Florida State University

LEE R. BROOKS
Department of Psychology
McMaster University

BRUCE BUCHANAN
Computer Science Department
University of Pittsburgh

C. SHAWN BURKE
Department of Psychology
Institute for Simulation & Training
University of Central Florida

BRIAN BUTTERWORTH
Institute of Cognitive Neuroscience
University College London

NEIL CHarness
Psychology Department
Florida State University

MICHELENE T. H. CHI
Learning Research and Development Center
University of Pittsburgh

ANNA T. CIANCIOLO
Command Performance Research, Inc.

WILLIAM J. CLANCY
NASA/Ames Research Center

RAJAL G. COHEN
Department of Psychology
Pennsylvania State University

JEAN CÔTÉ
School of Physical and Health Education,
Queen’s University

ANDREW DATTEL
Department of Psychology
Texas Tech University

RANDALL DAVIS
Computer Science and Artificial Intelligence
Laboratory
Massachusetts Institute of Technology
CONTRIBUTORS

JANICE DEAKIN
School of Physical and Health Education, Queen’s University

FRANK T. DURSO
Department of Psychology
Texas Tech University

MICA ENDSELEY
SA Technologies

K. ANDERS ERICSSON
Department of Psychology
Florida State University

KEVIN EVA
Clinical Epidemiology and Biostatistics
Faculty of Health Sciences
McMaster University

JULIA EVENTS
School of Sociology & Social Policy
University of Nottingham

EDWARD A. FEIGENBAUM
Department of Computer Science
Stanford University

ULRIKE FELT
Institut für Wissenschaftsforschung
Universität Wien

PAUL J. FELTOVICH
Florida Institute for Human and Machine Cognition (FIHMC)

STEPHEN M. FIORE
Institute for Simulation & Training
University of Central Florida

FERNAND GOBET
Department of Human Sciences
Brunel University

GERALD F. GOODWIN
U.S. Army Research Institute

HANS GRUBER
Institute for Education
University of Regensburg

STANLEY J. HAMSTRA
Department of Surgery
University of Toronto

PETER HANCOCK
Department of Psychology and Institute for Simulation and Training
University of Central Florida

ANDREW HARVEY
Department of Economics
St. Mary’s University

NICOLE HILL
Learning Research and Development Center
University of Pittsburgh

NICOLA J. HODGES
School of Human Kinetics
University of British Columbia

ROBERT R. HOFFMAN
Florida Institute for Human and Machine Cognition (FIHMC)

JOHN L. HORN
Department of Psychology
University of Southern California

EARL HUNT
Department of Psychology
University of Washington

STEVEN A. JAX
Moss Rehabilitation Research Institute

RONALD T. KELLOGG
Department of Psychology
Saint Louis University

GARY KLEIN
Klein Associates Inc

RALF TH. KRAMPE
Department of Psychology
University of Leuven

ANDREAS C. LEHMANN
Hochschule fuer Musik Wuerzburg

GAVAN LINTERN
Advanced Information Engineering Services, Inc
A General Dynamics Company

CLARE MACMAHON
Department of Psychology
Florida State University

HIROMI MASUNAGA
Department of Educational Psychology, Administration, and Counseling
California State University, Long Beach

CYNTHIA T. MATTHEW
PACE Center
Yale University

HARALD A. MIEG
Geographisches Institut
Humboldt-Universität zu Berlin

CORNELIA NIENSTEN
Department of Psychology
University of Konstanz

HELGA NOICE
Department of Psychology
Elmhurst College
Tony Noice  
Department of Theatre  
Elmhurst College

Michael J. Prietula  
Goizueta Business School  
Emory University

Michael Rosen  
Department of Psychology  
Institute for Simulation and Training  
University of Central Florida

David A. Rosenbaum  
Department of Psychology  
Pennsylvania State University

Karol G. Ross  
Klein Associates Inc

Eduardo Salas  
Department of Psychology  
Institute for Simulation and Training  
University of Central Florida

Walter Schneider  
Learning Research and Development Center  
University of Pittsburgh

Jan Maarten Schraagen  
TNO Defence, Security and Safety

Jennifer L. Shafer  
Klein Associates Inc

Dean Keith Simonton  
Department of Psychology  
University of California, Davis

Sabine Sonnentag  
Department of Psychology  
University of Konstanz

Janet L. Starkes  
Department of Kinesiology  
McMaster University

Robert J. Sternberg  
School of Arts and Sciences  
Tufts University

Michael Tschirhart  
Department of Psychology  
University of Michigan

Elizabeth R. Valentine  
Department of Psychology  
Royal Holloway  
University of London

Judith Volmer  
Department of Psychology  
University of Konstanz

James F. Voss  
Learning Research and Development Center  
University of Pittsburgh

Kim-Phuong L. Vu  
Department of Psychology  
California State University Long Beach

Richard K. Wagner  
Florida Center for Reading Research  
Department of Psychology  
Florida State University

Paul Ward  
Human Performance Laboratory  
Learning Systems Institute  
Florida State University

Robert W. Weisberg  
Department of Psychology  
Temple University

John M. Wilding,  
Department of Psychology  
Royal Holloway  
University of London

Jennifer Wiley  
Department of Psychology  
University of Illinois

A. Mark Williams  
Research Institute for Sport and Exercise Sciences  
Liverpool John Moores University

J. Frank Yates  
Department of Psychology & Ross School of Business  
University of Michigan

Barry J. Zimmerman  
Doctoral Program in Educational Psychology  
City University of New York