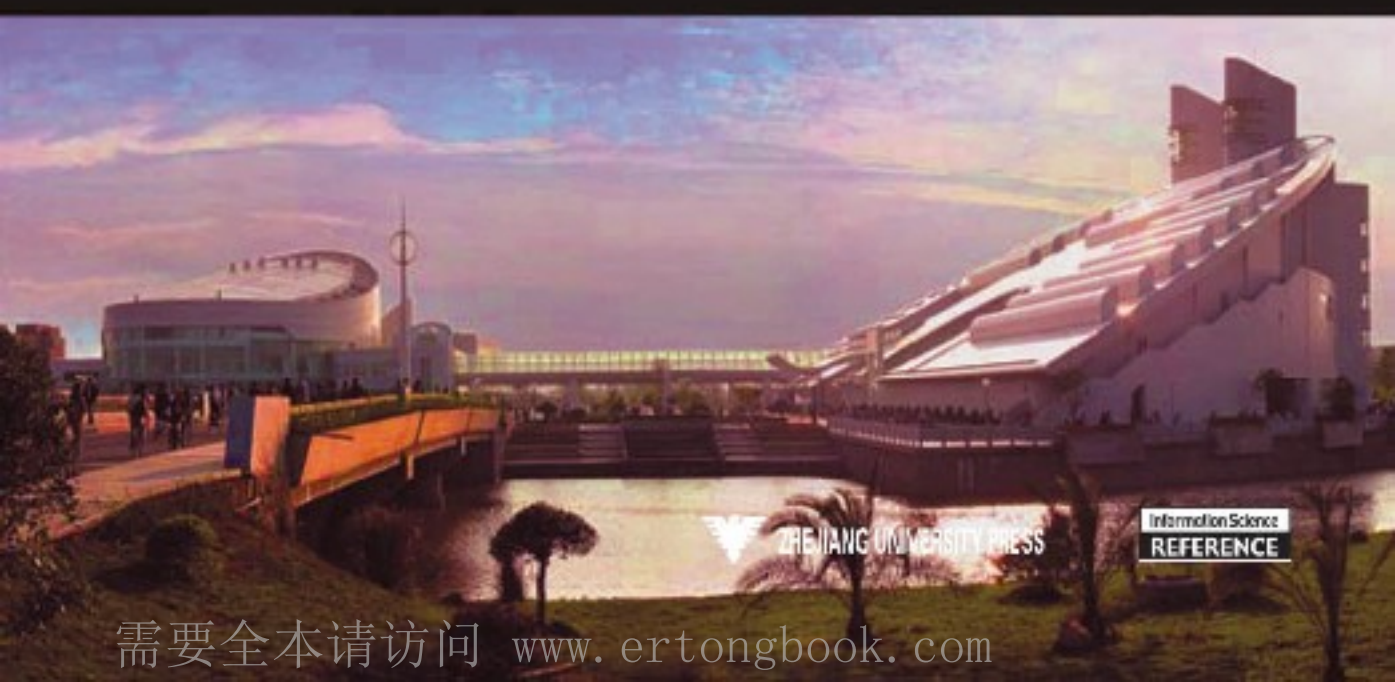
Victor C. X. Wang

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Assessing and Evaluating Adult Learning in Career and Technical Education

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Victor C. X. Wang

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Preface

Purpose

This book advances a framework, a process and meaningful approaches for assessing and evaluating adult learning in career and technical education (CTE). Increased interest in and use of theoretical and empirical assessment and evaluation methods have created a need for this book's unique contributions to the literature in the field of adult education and career and technical education. For years, our students and scholars/practitioners in the field have been without pertinent textbooks used to accurately and effectively assess and evaluate adult learning in the field. Books on assessment and evaluation have been written by scholars/practitioners from other fields of study rather than by people from the field of adult education or career and technical education. It is common sense that we have known more about how animals learn than about how children learn and we know much more about how children learn than about how adults learn. Since most students in the field of career and technical education are adult learners, to help these learners learn requires teachers, trainers, practitioners and even scholars to accurately and effective assess and evaluate their learning so that progress on the part of the learners can be made. To assess and evaluate adult learning in CTE requires a thorough understanding of the nature of adult learners, principles of andragogy, formal and informal evaluation methods, theory of transformative learning, teaching philosophies and technology. Application of traditional assessment and evaluation methods effective for assessing learning of traditional age students may not work for evaluating adult learning in the field. With this purpose in mind, I called for chapters especially from leading scholars/practitioners in the field of adult education and career and technical education. To my great delight, Patricia Cranton, a leading adult educator from Penn State contributed a chapter on self-evaluation. Other authors for the book are also outstanding scholars/practitioners in the field. The book then addresses the key elements of the process of assessment and evaluation: self-evaluation, transformative learning, history of andragogy, teaching philosophies, and much more. At each step in this process, the reader is taken through multiple and meaningful approaches of assessing and evaluating adult learning in the field of career and technical education. Hopefully after reading the whole book, our readers will become well versed in terms of accurately and effectively assessing and evaluating adult learning. Then, it is time to say, "We know much more about how adults learn than about how children learn."

Audience

This book is intended for undergraduate and graduate students and faculty who seek assistance in preparing a comprehensive plan for assessment and evaluation of adult learning in the field of career and technical education. No need to say, this book is an excellent textbook for credential students in CTE and adult education. At a broader level, the book may be useful as both a reference book and a textbook for graduate students in research methods. The rich information, multiple approaches of writing different chapters, exemplary usage of APA style and theoretical bases will all add to our readers' knowledge base in terms of not only assessment and evaluation but also of research methods. To best take advantage of the features in this book, the reader needs a basic familiarity with principles of andragogy, transformative learning theory and teaching philosophies first. Then, the reader needs to proceed to the chapters that address different kinds of assessment and evaluation approaches appropriate for adult learning in the field. Finally, this book also is intended for a broad audience in the social and human sciences. It is commonly argued that those who do not know how to accurately and effectively gauge learning do not know how to make progress. This line of thought says a great deal about the importance of assessment and evaluation. I hope that students, faculty and researchers including those from even K-12 education, higher education and others will find the book useful.

Acknowledgments

To ensure quality of books, editors/authors have their books go through the double blind review process so that their books will become refereed books in the field. This book is no exception. As Zhejiang University Press in China agreed to publish more of my books, I began to collect chapter proposals. All proposals were carefully reviewed by the editor in light of their suitability, the researcher's records of similar work in the area of the proposed topics, and the best proposal for topics with multiple proposals. The goal was to assemble the best minds in CTE and adult education to contribute entries to this unique book. Upon receipt, each full entry submission was forwarded to expert external reviewers on a double-blind basis. Only submissions with strong and favorable reviews were chosen as entries for this book. As a result, this book includes more than 10 entries highlighting effective assessment and evaluation of adult learning. All entries are written by knowledgeable, distinguished scholars from many prominent research institutions. The reviewers were invited based on their sustained scholarship in this field. Therefore, I extend a huge thank you to the following reviewers/authors:

- Royce Ann Collins, Kansas State University, USA
- Lesley Farmer, California State University, Long Beach, USA

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- John Hope, Auckland University, New Zealand
- Victor Hernandez, University of South Florida, USA
- Kerry Lee, University of Auckland, New Zealand

I wish to thank my fellow authors and Zhejiang University Press, especially Dr. Mary Wu for their contribution to this book. Without their contribution, this book would not be a reality. This book is designed for the teacher-practitioner and is written from both a scholar's and a practitioner's perspective. Because of the rich information provided by this book, individual chapters can be selected according to readers' specific needs and interests. Special thanks go to my family, Katie Wang, Anni Wang and Anthony Wang for their unfailing support and encouragement during the many months it took to give birth to this book. Last but not least, I thank all of our readers who have become consumers of this excellent book. This book will assist you in your educational and scholarly endeavors.

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May 28, 2009

The Editor

Victor C. X. Wang, Ed.D., an Associate Professor, joined the faculty at California State University, Long Beach (CSULB) in 2002 and has been the credential coordinator of CTE and adult education since 2005. Dr. Wang's research and writing activities have focused on workforce education, the foundations of adult education, adult teaching and learning, training, transformative learning, cultural issues in vocational and adult education, distance education, human performance technology and curriculum development. He has published well over 80 journal articles, book chapters and books during his seven years at CSULB and has been a reviewer for four national and international journals. Currently he serves as the editor in chief of the *International Journal of Adult Vocational Education and Technology*. He has won many academic achievement awards from the universities in China and the United States, including the Distinguished Faculty Scholarly & Creative Achievement Award in 2009.

Dr. Wang taught extensively as a professor in Chinese universities prior to coming to study and work in the United States in 1997. He has taught adult learners English as a second language, Chinese, computer technology, vocational and adult education courses, research methods, administrative leadership, human resource management and curriculum development for the past 20 years in university settings. Two of the books he has written and edited have been adopted as required textbooks by major universities in the United States, and in China. In addition, numerous universities worldwide including Howard University, Princeton University, Yale University, University of Chicago, Cornell University, UC-Berkeley and Rice University have cataloged his books and journal articles.

The Contributors

Bridget D. Arend, Ph.D., is the Research and Assessment Analyst at the Center for Teaching and Learning at the University of Denver. She teaches in the Morgridge College of Education and the University College Communication Department at the University of Denver. Her background includes teaching, evaluation, and faculty development work within both higher education and corporate environments. Her current research interests are centered on assessment and teaching strategies in distance and technology-enhanced environments.

Jim Berger, Ph.D., is an associate professor in the Department of Education Administration, Leadership, and Research at Western Kentucky University. He received his master's degree and doctorate in Adult Education from the University of Georgia in Athens, Georgia. He is the program coordinator of the Master of Arts in Education in Adult Education program and currently serves on four editorial boards of national and international journals. He has published several articles and three book chapters and presents regularly at national conferences. He is currently serving on two national boards for organizations related to adult education and has been elected as president for the 2010-2012 term of his state association. His current research interests are methodologies for effective instruction and the use of technology as a means to enhance learning within the classroom. His has received funding from local and state agencies to provide access to adult literacy services and General Education Diploma training for Hispanic individuals. He has served as a private tutor for thousands of undergraduate students in facilitating learning in over 40 classes.

Ernest W. Brewer, Ed.D., is a Professor of Educational Administration and Policy Studies and Principal Investigator/Director of Federal Programs at the University of Tennessee. Dr. Brewer has authored/co-authored over 100 books, book chapters, articles, monographs, and technical reports. He has received such awards as the Excellence in Teaching Award, the Outstanding Service Award from the IVETA, and the Outstanding Faculty Counselor Award from Kappa Delta Pi. His current research interests, that are frequently intertwined, include job satisfaction, occupational stress, and job burnout.

Royce Ann Collins, Ph.D., is an Assistant Professor of Adult Education in the Department of Educational Leadership at Kansas State University. She has 17 years' experience in administration of higher education for adult learners with expertise in faculty development and adult learning.

Patricia Cranton, Ph.D., her primary research interests are in the areas of teaching and learning in higher education, transformative learning, and most recently, authenticity and individuation. She is currently a Visiting Professor of Adult Education at Penn State

University in Harrisburg, Pennsylvania. Patricia Cranton's most recent books include a second edition of *Planning Instruction for Adult Learners* (2000), *Becoming an Authentic Teacher* (2001), *Finding our Way: A Guide for Adult Educators* (2003), and the second edition of *Understanding and Promoting Transformative Learning* (2006).

Lesley Farmer, Ed.D., currently is a Professor at California State University Long Beach. Dr. Lesley Farmer has been coordinating their Librarianship program since 1999. She also taught and served as the external examiner for the University of Hong Kong's library science program, as well as worked as a library professional in K-12 school, public, special and academic libraries. Dr. Farmer earned her M.S. in Library Science at the University of North Carolina Chapel Hill, and received her doctorate in Adult Education from Temple University. She serves as the International Association for School Librarianship Vice President for Association Relations, helped edit their newsletter, and was selected for their research award. She edits the International Association of Library Association School Libraries Section Newsletter, and chaired the Education Division of Special Library Association. She has chaired the International Education SIG and the Gender Studies SIG for the Association of Library and Information Science Educators, and serves as treasurer for the Alpha Chapter of Phi Beta Delta (honor society for international scholars). Dr. Farmer presents regularly at national and international professional conferences. She has edited library journals, written twenty-four books and over a hundred articles and chapters; the most current books are titled *Teen Girls and Technology* (Teachers College Press, 2008) and *Your School Library* (Libraries Unlimited, 2009). Her research interests include information literacy, collaboration, assessment, and gendered educational technology.

John A. Henschke, Ed.D., is an Associate Professor of Adult Education at the University of Missouri-St. Louis, and Continuing Education Specialist at University of Missouri Extension. He is the Leader of the Award Winning Adult Education (AE) and Human Resource Development (HRD) M. Ed., Ed. D., and Ph. D. Program at the University of Missouri-St. Louis. Dr. Henschke teaches graduate courses in AE and HRD in the face-to-face classroom, and in the online, virtual classroom. He is author of articles in national and international journals and books on the topics of adult learning, andragogy, corporate education, international and comparative adult education, higher education, and lifelong learning. He has chaired 40 completed doctoral dissertations, and has been a committee member of 35 other completed doctoral dissertations. Dr. Henschke has been President of the American Association for Adult and Continuing Education (AAACE). He is a member of the International Adult and Continuing Education Hall of Fame (IACEHOF) and serves on its Board of Directors. Dr. Henschke has been testing his adult education (andragogical) ideas around the globe since 1970, and has worked in AE and HRD in 16 countries. He has an Andragogy Website http://www.umsl.edu/~henschke/ and he may be reached at henschkej@missouri.edu.