Design and Development Research: Methods, Strategies, and Issues

By Rita C Richey, James D. Klein

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AECT Design & Development Outstanding Book Award for 2008!

Design and Development Research thoroughly discusses methods and strategies appropriate for conducting design and development research. Rich with examples and explanations, the book describes actual strategies that researchers have used to conduct two major types of design and development research: 1) product and tool research and 2) model research. Common challenges confronted by researchers in the field when planning and conducting a study are explored and procedural explanations are supported by a wide variety of examples taken from current literature. Samples of actual research tools are also presented. Important features in this volume include:

- concise checklists at the end of each chapter to give a clear summary of the steps involved in the various phases of a project;
- an examination of the critical types of information and data often gathered in studies, and unique procedures for collecting these data;
- examples of data collection instruments, as well as the use of technology in data collection; and
- a discussion of the process of extracting meaning from data and interpreting product and tool and model research findings.

Design and Development Research is appropriate for both experienced researchers and those preparing to become researchers. It is intended for scholars interested in planning and conducting design and development research, and is intended to stimulate future thinking about methods, strategies, and issues related to the field.

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Editorial Review

About the Author

Rita C. Richeyis professor and program coordinator of Instructional Technology in the College of Education at Wayne State University. She has been at Wayne State for over 35 years and has extensive experience in program design and development, teaching, and in education and training research. She is widely published in the area of instructional design and technology. She has written or edited 10 books, including*The Theoretical and Conceptual Bases of Instructional Design, Designing Instruction for the Adult Learner*, and*The Legacy of Robert M. Gagne*. She is also co-author of the third edition of*Instructional Design Competencies: The Standards*, the third edition of*Training Manager Competencies: The Standards and Instructional Technology: The Definition and Domains of the Field*. This latter book received the 1995 Outstanding Book Award and the 1996 Brown Publication Award, both from the Association of Educational Communications & Technology (AECT). It has been translated into three additional languages. She has published over 30 articles and books chapters. She is a past ibstpi vice-president for Research and Development and a past president of AERA's Special Interest Group on Instructional Technology. She has received four awards from Wayne State University—the President's Award for Excellence in Teaching, a Distinguished Faculty Fellowship, the Outstanding Graduate Mentor Award, and the award for Outstanding Scholarly Achievement by Women Faculty. In addition, she has been inducted into the Wayne State University Academy of Scholars. In recognition of her career's work, in 2000 she received the AECT Distinguished Service Award.**James D. Klein**is professor and program leader of Educational Technology in the Division of Psychology in Education at Arizona State University - Tempe. His teaching and research focus on instructional design, strategies for active learning, and performance improvement. He has published over 60 journal articles and book chapters related to instructional design and technology. He was principal author of the book,*Instructor Competencies: Standards for Face-to-Face, Online and Blended Settings*which received the 2005 Outstanding Book Award in Instructional Design & Development from the Association of Educational Communications & Technology (AECT). Dr. Klein serves as a director on the International Board of Standards for Training, Performance and Instruction (ibstpi). Previously, he served as development editor of*Educational Technology Research and Development (*ETR&D), as president of AERA's Special Interest Group on Instructional Technology, and as president of the Design and Development Division and the Research and Theory Division of AECT. He has been recognized as an outstanding alumnus of the Instructional Systems program at Florida State University and for his service to AECT.

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