# Handbook of Research on Educational Communications and Technology

*From Springer*



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The 4th edition of the Handbook of Research on Educational Communications and Technology expands upon the previous 3 versions, providing a comprehensive update on research pertaining to new and emerging educational technologies. Chapters that are no longer pertinent have been eliminated in this edition, with most chapters being completely rewritten, expanded, and updated Additionally, new chapters pertaining to research methodologies in educational technology have been added due to expressed reader interest. Each chapter now contains an extensive literature review, documenting and explaining the most recent, outstanding research, including major findings and methodologies employed.   The Handbook authors continue to be international leaders in their respective fields; the list is cross disciplinary by design and great effort was taken to invite authors outside of the traditional instructional design and technology community.

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## Editorial Review

Review

"The Handbook aims to provide the most comprehensive, definitive, and accurate single-volume overview available in the field of educational communication and technology. … this book is not only a sign of the field's development, but also a reflection on the dynamic state of mainstream educational research. Because of that, it is a mandatory read and reference for all educationalists and researchers of education." (Tamara Savelyeva, Technology Knowledge and Learning, Vol. 20, 2015)

"The volume updates the findings from the third edition, published in 2008, and will stand for several years as a summary of research in the field of educational technology or educational communications technology (ECT). … The volume serves a valuable purpose of scholars seeking specific research findings in their areas of interest. … My kudos to the editors and contributors of this outstanding volume!" (Brent G. Wilson, Educational Technology, Vol. 54 (6), November-December, 2014)

From the Back Cover

Now in its fourth edition, the *Handbook* has become synonymous with excellence in providing cutting edge research on educational communications and technology to the information and communication technology community. This *Handbook* is written for researchers in educational communication and technology, professors of instructional design and instructional technology as well as professionals working in the fields of ICT, Learning Sciences, Educational Technology, IT, and ID. In addition, it has been and will continue to be an invaluable reference for academic and professional libraries.

Under the sponsorship of the Association for Educational Communications and Technology (AECT), an international cadre of authors has been assembled representing the absolute best in the field. Expanded from 56 to 74 chapters, topics covered range from methodology, instructional strategies, assessment, design models, implementation and technology integration. A full 15 chapters are devoted to examining the future of the field, including robust discussions of new and emerging technologies and the fostering of ICT research in the developing world. This completely expanded and updated *Handbook* will become an indispensible addition to the field; anyone with an interest in the field of educational communications and technology will find their library enriched for including it.

About the Author
J. Michael Spector is Research Scientist at the Learning and Performance Support Laboratory and Professor in the Educational Psychology and Instructional Technology Department at the University of Gerogia. His recent research is in the areas of intelligent support for instructional design, system dynamics based learning environments, assessing learning in complex domains, distance learning, and technology integration in education. M. David Merrill is retired Professor Emeritus, Utah State University. Since retiring, he has worked as a visiting Research professor at Florida State University and Research Consultant and Professor in Residence at Brigham Young University-Hawaii. He led the team which developed the authoring system for TICCIT (Time-shared Interactive Computer Controlled Information Television). Dr. Merrill further developed component display theory in association with the TICCIT system and refined that theory in the form of both elaboration theory and instructional transaction theory. Jan Elen is Professor in the Department

of Educational Sciences of the Katholieke University of Leuven. His research is oriented towards the design and use of computer-supported learning environments in educational settings. He is the coordinator of the newly- founded School of Education of the Association at Katholieke University of Leuven. MJ Bishop is Associate Professor in the College of Education at Lehigh University. Her research interests are in understanding the fundamental components and the psychology behind instructional media and delivery systems in order to discover their pedagogical capabilities and limitations. Her goals are to devise more effective ways to design instructional technologies that enhance learning.

## Users Review

**From reader reviews:**

**Richard Martinez:**

As people who live in the modest era should be upgrade about what going on or info even knowledge to make them keep up with the era which can be always change and advance. Some of you maybe will update themselves by studying books. It is a good choice for you personally but the problems coming to you is you don't know what type you should start with. This Handbook of Research on Educational Communications and Technology is our recommendation to help you keep up with the world. Why, since this book serves what you want and want in this era.

**Mark Hoffman:**

Information is provisions for people to get better life, information presently can get by anyone in everywhere. The information can be a understanding or any news even an issue. What people must be consider whenever those information which is within the former life are hard to be find than now could be taking seriously which one is suitable to believe or which one typically the resource are convinced. If you find the unstable resource then you understand it as your main information it will have huge disadvantage for you. All those possibilities will not happen with you if you take Handbook of Research on Educational Communications and Technology as the daily resource information.

**Jessie Loudermilk:**

The book Handbook of Research on Educational Communications and Technology has a lot of information on it. So when you read this book you can get a lot of profit. The book was published by the very famous author. The author makes some research ahead of write this book. This book very easy to read you may get the point easily after reading this article book.

**Eduardo Fernandez:**

Handbook of Research on Educational Communications and Technology can be one of your basic books that are good idea. We all recommend that straight away because this publication has good vocabulary that may increase your knowledge in language, easy to understand, bit entertaining however delivering the information. The writer giving his/her effort to place every word into satisfaction arrangement in writing Handbook of Research on Educational Communications and Technology but doesn't forget the main place,

giving the reader the hottest in addition to based confirm resource info that maybe you can be certainly one of it. This great information can certainly drawn you into brand-new stage of crucial imagining.

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