



Foundations of Educational Technology: Integrative Approaches and Interdisciplinary Perspectives (Interdisciplinary Approaches to Educational Technology)

By J. Michael Spector

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An engaging book for professional educators and an ideal textbook for certificate, masters, and doctoral programs in educational technology, instructional systems and learning design, *Foundations of Educational Technology, Second Edition* offers a fresh, interdisciplinary, problem-centered approach to the subject, helping students build extensive notes and an electronic portfolio as they navigate the text. The book addresses fundamental aspects of educational technology theory, research and practice that span various users, contexts and settings; includes a full range of engaging exercises for students that will contribute to their professional growth; and offers the following 4-step pedagogical features inspired by M. D. Merrill's *First Principles of Instruction*:

- TELL: Primary presentations and pointers to major sources of information and resources
- ASK: Activities that encourage students to critique applications and share their individual interpretations
- SHOW: Activities that demonstrate the application of key concepts and complex skills with appropriate opportunities for learner responses
- DO: Activities in which learners apply key concepts and complex skills while working on practice assignments and/or projects to be created for their electronic portfolios

The second edition of this textbook covers the core objectives addressed in introductory educational technology courses while adding new sections on mobile learning, MOOCs, open educational resources, "big data," and learning analytics along with suggestions to instructors and appendices on effective writing, professional associations, journal and trade magazines.

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Editorial Review

Review

"For serious scholars, researchers, and practitioners in the field of educational technology, this is the book to own. It makes reading about the field exciting as well as informative and provides the reader with insights and understandings by one of the field's leading authorities. This may be the first book of its kind that is a true page-turner."

Phillip Harris, Ed.D., Executive Director of AECT

"*Foundations of Educational Technology* alleviates the fear that teaching novices the basics in the field of educational technology must be reduced to simplified models and procedures. This textbook manages to embrace the breadth and depth of educational technology while providing understandable definitions, examples, and exercises."

Dr. Monica Tracey, Wayne State University, USA

"New technologies to improve teaching and learning are emerging at an unprecedented speed. So is our understanding of how people learn. There is a need for works which are both accessible in approach and profound in content, so that more beginning students of educational technology and more non-academic stakeholders can benefit from them. Education policy makers, practitioners (including teachers and school administrators), and readers with cross-disciplinary interest in educational technology will find that this book, the second edition of a book that I translated into Chinese, meets their needs."

Youqun Ren, Professor and Vice President of East China Normal University, Shanghai, China

About the Author

J. Michael Spector is Professor and former Chair of the Department of Learning Technologies at the University of North Texas, USA. Dr. Spector has served as Executive Vice President on the International Board of Standards for Training, Performance and Instruction (ibstpi), on the Executive Committee of the IEEE Learning Technology Task Force, and as past-President of the Association for Educational and Communications Technology (AECT). He was lead editor on the third and fourth editions of the *Handbook of Research on Educational Communications and Technology*, edited the *Encyclopedia of Educational Technology*, and has more than 150 journal articles, book chapters, and books to his credit.

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