CONT

Pa

About the Editor xi	
List of Contributors	xiii

THEORETICAL	FOUNDATIONS	FOF
	AND T	ECH

1	Behaviorism and Instructional	
	Technology	3

1	Behaviorism and Instructional		
	Technology	3	
	John K. Burton, David M. (Mike) Moore,		
	Susan C Magliano		

2	Systems Inquiry and Its Application in Education	37

_	in Education	37
	Bela H. Banathy, Patrick M. Jenlink	
2		
)	Communication Effects of	
	Noninteractive Media: Learning in	
	Out-of-School Contexts	59
	Kathu A Krondi Don Warron	

ENTS

ırt		
EDU	CATIONAL COMMUNICATIONS DGY 1	
4	Cognitive Perspectives in Psychology William Winn	79
5	Toward a Sociology of Educational Technology Stephen T. Kerr	113
6	Everyday Cognition and Situated Learning Philip H. Henning	143
7	An Ecological Psychology of Instructional Design: Learning and Thinking by Perceiving–Acting Systems Michael Young	169

8	Conversation Theory Gary McIntyre Boyd	
9	Activity Theory As a Lens for Characterizing the Participatory Unit Sasha A. Barab, Michael A. Evans, Eun-Ok Baek	199
		P
	HARD TE	CHN
12	Research on Learning from Television Barbara Seels, Karen Fullerton, Louis Berry Laura J. Horn	249
13	Disciplined Inquiry and the Study of Emerging Technology Chandra H. Orrill, Michael J. Hannafin, Evan M. Glazer	335
14	Distance Education Charlotte Nirmalani Gunawardena, Marina Stock McIsaac	355
15	Computer-mediated Communication Alexander Romiszowski, Robin Mason	397
		P
	SOFT TE	CHN
20	Foundations of Programmed Instruction Barbara Lockee, David (Mike) Moore, John Burton	545
21	Games and Simulations and Their Relationships to Learning Margaret E. Gredler	571

10	Media as Lived Environments: The Ecological Psychology of Educational Technology Brock S. Allen, Richard G. Otto, Bob Hoffman			
11	Postmodernism In Educational Technology: update: 1996–2002 <i>Denis Hlynka</i>			
rt [
LOC	GIES 247			
16	Exploring Research on Internet-based Learning: From Infrastructure to Interactions Janette R. Hill, David Wiley, Laurie Miller Nelson, Seungyeon Han	433		
17	Virtual Realities Hilary McLellan			
18	The Library Media Center: Touchstone for Instructional Design and Technology In the Schools Delia Neuman			
19	Technology in the Service of Foreign Language Learning: The Case of the Language Laboratory Warren B. Roby	523		
ırt [—] II				
LOC	GIES 543			
22	Microworlds Lloyd P. Rieber	583		
23	Learning from Hypertext: Research Issues and Findings Amy Shapiro, Dale Niederbauser	605		

	INSTRUCTIONAL	DES
24	Conditions Theory and Models for Designing Instruction Tillman J. Ragan and Patricia L. Smith	623
25	Adaptive Instructional Systems Ok-choon Park, Jung Lee	651
		F
-	INSTRUCTIO	NAL
28	Generative Learning Contributions to the Design of Instruction and Learning Barbara L. Grabowski	719
29	Feedback Research Revisited Edna Holland Mory	745
30	Cooperation and the Use of Technology David W. Johnson and Roger T. Johnson	785
	INSTRUCTIONAL	P \ ME
33	Visual Representations and Learning: The Role of Static and Animated Graphics Gary J. Anglin, Hossein Vaez, Katbryn L. Cunningbam	865

34

Designing Instructional and

917

Informational Text

James Hartley

Part [—] [V		
GN A	APPROACHES 621	
26	Automating Instructional Design: Approaches and Limitations J. Michael Spector and Celestia Obrazda	685
27 User-Design Research Alison Carr-Chellman and Michael Savoy		
art [—] V		
STRA	TEGIES 717	
31	Cognitive Apprenticeship in Educational Practice: Research on Scaffolding, Modeling, Mentoring, and Coaching as Instructional Strategies Vanessa Paz Dennen	813
32	Case-Based Learning Aids Janet L. Kolodner, Jakita N. Owensby, and Mark Guzdial	829
art —		
/I SSAG	E DESIGN 863	
35	Auditory Instruction Ann E. Barron	949
36	Multiple-Channel Communication: The Theoretical and Research Foundations of Multimedia David M. (Mike) Moore, John K. Burton, and Robert J. Myers	981

V RESEARCH METHC

Pa

37 Philosophy, Research, and Education 1009

I. Randall Koetting, and Mark Malisa

Methods: an Introduction for

- 38 Experimental Research Methods
 Steven M. Ross, Gary R. Morrison

 39 Oualitative Research Issues and
 - Educational Technologists 1045
 Wilbelmina C. Savenye, Rhonda S. Robinson
 - 40 Conversation Analysis for Educational Technologists: Theoretical and

1	t	•
ĺ	I	

DOLOGIES 1007

Methodological Issues for Researching	
the Structures, Processes, and	
Meaning of On-Line Talk	1073
Joan M. Mazur	

41	Developmental Research: Studies
	of Instructional Design and
	Development

Rita C. Richey, James D. Klein, Wayne A. Nelson

Author Index	1131
Subject Index	1175

1099