

Contents

Preface	vii
International Test Commission	xi
I	
Methodological Advances	1
1	
Advances in Criterion-Referenced Measurement Ronald K. Hambleton and H. Jane Rogers	3
2	
Generalizability Theory Dato N. M. de Gruijter and Leo J. Th. van der Kamp	45
3	
Item Response Theory David J. Weiss and Michael E. Yoes	69
4	
Analysis of Covariance Structures H. Swaminathan	97
5	
Applications of Decision Theory to Test-Based Decision Making Wim J. van der Linden	129
6	
Meta-Analysis John E. Hunter and Frank L. Schmidt	157
	v

II		
Developments in Applied Settings		185
7		
Developments in Personnel Selection Methodology		187
Robert A. Roe and Martin A. M. Greuter		
8		
Assessment Centers at the Dutch Central Government		227
Jac N. Zaal		
9		
Current Perspectives in the Assessment of the Handicapped		251
Stan Scarpati		
10		
Testing Across Cultures		277
Fons J. R. van de Vijver and Ype H. Poortinga		
11		
Reflections on Large-Scale Assessments of Student Achievement		309
Katherine MacRury, Philip Nagy, and Ross E. Traub		
III		
Emerging Topics		339
12		
Computerized Adaptive Testing: Theory, Applications, and Standards		341
Ronald K. Hambleton, Jac N. Zaal, and Jo P. M. Pieters		
13		
Cognitive Theory and Psychometrics		367
Robert J. Sternberg		
14		
The Evolution of Ethical and Technical Standards for Testing		395
Walt Haney and George Madaus		
Chapter Abstracts		427
Contributing Author Biographies		435
Index		443