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Altri autori (Persone)	LindenWim J. van der GlasCees A. W
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Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	Item Selection and Ability Estimation -- Item Selection and Ability Estimation in Adaptive Testing -- Constrained Adaptive Testing with Shadow Tests -- Principles of Multidimensional Adaptive Testing -- Applications in Large-Scale Testing Programs -- The GRE Computer Adaptive Test: Operational Issues -- MATHCAT: A flexible testing system in mathematics education for adults -- Computer-Adaptive Sequential Testing -- Item Pool Development and Maintenance -- Innovative Item Types for Computerized Testing -- Designing Item Pools for Computerized Adaptive Testing -- Methods of Controlling the Exposure of Items in CAT -- Item Calibration and Model Fit -- Item Calibration and Parameter Drift -- Detecting Person Misfit in Adaptive Testing Using Statistical Process Control Techniques -- The Assessment of Differential Item Functioning in Comput Adaptive Tests -- Testlet-Based Adaptive Testing -- Testlet Response Theory: An Analog for the 3PL Model Useful in Testlet-Based Adaptive Testing -- MML and EAP Estimation in Testlet-based Adaptive Testing -- Testlet-Based Adaptive Mastery Testing.
Sommario/riassunto	Modern computer technology has opened up several new possibilities for optimizing the administration of educational and psychological tests. In computer adaptive testing (CAT), tests are automatically

tailored to the proficiency level of the individual examinees. Currently, nearly all large-scale testing programs in the western world are already adaptive or in the process of becoming so. Written by active CAT researchers from Europe and North America, the chapters offer a comprehensive introduction to the latest developments in the theory and practice of CAT. The book can be used both as a basic reference on the state of the art in CAT and a valuable resource in graduate courses on test theory. The theoretical chapters in this book cover such topics as item selection and ability estimation, item pool development and maintenance, item calibration and model fit, and testlet-based adaptive testing. The practical chapters describe the operational aspects of existing large-scale CAT programs.