### 图书基本信息

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作者: Lester, James C.; Vicari, Rosa Maria; Paraguacu, Fabio

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#### 内容概要

This book constitutes the refereed proceedings of the 7th International Conference on Intelligent Tutoring Systems, ITS 2004, held in Macei  $\acute{o}$ , Alagoas, Brazil in August/September 2004. The 73 revised full papers and 39 poster papers presented together with abstracts of invited talks, panels, and workshops were carefully reviewed and selected from over 180 submissions. The papers are organized in topical sections on adaptive testing, affect, architectures for ITS, authoring systems, cognitive modeling, collaborative learning, natural language dialogue and discourse, evaluation, machine learning in ITS, pedagogical agents, student modeling, and teaching and learning strategies.

### 书籍目录

Adaptive Testing A Learning Environment for English for Academic Purposes Based on Adaptive Tests and Task-Based Systems A Model for Student Knowledge Diagnosis Through Adaptive Testing A Computer-Adaptive Test That Facilitates the Modification of Previously Entered Responses: An Empirical StudyAffect An Autonomy-Oriented System Design for Enhancement of Learner's Motivation in E-learning Inducing Optimal Emotional State for Learning in Intelligent Tutoring Systems Evaluating a Probabilistic Model of Student Affect Politeness in Tutoring Dialogs: "Run the Factory, That's What I'd Do" Providing Cognitive and Affective Scaffolding Through Teaching Strategies: Applying Linguistic Politeness to the Educational Context Architectures for ITS Knowledge Representation Requirements for Intelligent Tutoring Systems Coherence Compilation: Applying AIED Techniques to the Reuse of Educational TV Resources Knowledge Like the Object of Interaction in an Orthopaedic Surgery-Learning Environment Qualitative Accreditation with Cognitive Agents Integrating Intelligent Agents, User Models, and Automatic Content Categorization in a Virtual EnvironmenAuthoring Systems EASE: Evolutional Authoring Support Environment Selecting Theories in an Ontology-Based ITS Authoring Enviroi Opening the Door to Non-programmers: Authoring Intelligent Tutor Behavior by Demonstration Acquisition of the Domain Structure from Document Indexes Using Heuristic Reasoning Role-Based Specification of the Behaviour of an Agent for the Interactive Resolution of Mathematical Problems Lessons Learned from Authoring for Inquiry Learning: A Tale of Authoring Tool Evolution The Role of Domain Ontology in Knowledge Acquisition for ITS Combining Heuristics and Formal Methods in a Tool for Supporting Simulation-Based Discovery LearningCognitive Modeling Toward Tutoring Help Seeking(Applying Cognitive Modeling to Meta-cognitive Skills).....Collaborative Learning Natural Language Dialogue and DiscourseEvaluationMachine Learning in ITSPedagogical AgentsStudent Modeling Poster PapersInvited PresentationsPanelsWorkshopsAuthor Index

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