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Nota di contenuto	-- BlueSky. -- CLJ4AI: Citizen Learning Journey for AI. -- Why the Future of AIED is Causal: Arguments for Creating a Tradition Based on

Causal Thinking. -- Pedagogy-driven Evaluation of Generative AI-powered Intelligent Tutoring Systems. -- AI in Educational Digital Escape Rooms: State of the Art and Perspectives. -- On the role of domain experts in creating effective tutoring systems. -- Practitioners, Industry and Policy. -- SchrijfBlik: Safeguarding the validity of writing assessment in the age of AI. -- AMELIA: An AI teaching assistant for equitable STEM Education in Rural Peru. -- MindMate: An LLM-Powered Mental Health Companion for Adolescents. -- A Conversational Tool Based on Knowledge Graph, LLMs and BERT Model for Work-Study Programs in France. -- From Insights to Impact: An Agentic Learning Intelligence Framework for Student-Centred Success. -- Pilot Study of Self-explanation Based Automate Stuck Point Detection and Personalized Feed-back Recommendation by Educational eXplainable AI Tool in Middle School Math Classes. -- Building Effective Safety Guardrails in AI Education Tools. -- A Gateway for Egalitarian Access to LLM Based Resources. -- Systematic Control of Multiple-Choice Item Difficulty through LLM-Based Distractor Generation. -- Towards Actionable GenAI-Classroom Integration: A Social Role Framework for Teacher's Practice. -- SCRIPT: Implementing an Intelligent Tutoring System for Programming in a German University Context. -- WideAIED -- AI Coding Assistants in Competitive Programming: Empirical Studies from India on Human-AI Interactions in Learning, Problem Solving, and Curiosity Development Perspectives. -- Gamified Intelligent Communities of Practice: A Path To Support Underprivileged Teachers. -- Artificial Intelligence and Public Education Policy: Improving Textbook Evaluation in Brazil. -- Prediction of Online Mathematics Test Efficiency Based on Stacked Integrated Models: A Case Study of NAEP Data. -- Structural and Semantic Analysis Techniques for Translation Evaluation of Educational Materials. -- Advancing MOOCs Personalization: The Role of Generative AI in Adaptive Learning Environments. -- Does the Early Bird Get the Worms? K -12 Teachers' Perceptions on the Use of Generative Artificial Intelligence in Chinese Classrooms. -- MAS-CPS Assessor: A System for Evaluating Collaborative Problem-Solving Skills in Multi-Agent Environments. -- Doctoral Consortium -- Evaluating the Impact of LLM-Generated Assignment Report Summaries in Intelligent Tutoring Systems. -- Fair for whom? Investigating school identity, algorithmic fairness, and educational technologies. -- Fine-tuning Large Language Models for Knowledge Tracing Harnessing Insights from Explainable AI. -- Assessing the Effectiveness of GenAI Tutoring for Tertiary Academic Probation Students: A Repeated Measures Study using ChatGPT. -- AI-Powered Classification of Medical Students' Professionalism Profiles. -- Identifying and Fostering Self-Regulated Learning Among Computer Programmers Using Artificial Intelligence Systems. -- Personality-Aware Conversational Intelligent Tutoring System with GenAI: Studying the effect on Learners in Introductory Programming. -- Perceptions of Secondary School Students Solving Math Word Problems in a Foreign Language with GenAI Support. -- Designing An Ethical Framework for the Integration of Generative AI in Higher Education: Balancing Stake-holder Interests and Enhancing Learning Outcomes. -- Augmenting LLM Generated Feedback with Data Mining. -- Towards Ordinal Few-Shot Learning for Automated Essay Grading. -- Rewriting the Rules: LLMs vs. Traditional ML in University Admissions . -- A Learner-AI-Parent Collaboration Framework for Home Learning Environment. -- LFPKT: Enhancing Learning and Forgetting Processes in Attention Based Knowledge Tracing Models. -- Towards Secure AI in Education: A Case Study on Automatic Short Answer Grading. -- Integrating Learner Models: The mAIchart Project. -- Enhancing Knowledge Tracing with

Large Language Models (LLMs). -- Towards Mining Effective Pedagogical Strategies from Learner–LLM Educational Dialogues. -- Intelligent Support for Practice Goal Setting to Enhance Learning. -- Toward Extracting Computational Thinking Evidence with Large Language Models: Empowering K-12 Educators. -- Comparing the Effectiveness of Digital Game-Based Learning and Embodied Learning. -- AI-Powered Intelligent Tutoring System for Game Design Document Writing. -- Improving Student Support Personalization with Historical Data and Theoretically Informed Feature Choice. -- Predicting At-Risk Programming Students in Small Imbalanced Datasets using Synthetic Data. -- Exploring Multimodal Quiz Generation and Evaluation Aligned with Higher-Order Learning Objectives in Bloom's Taxonomy. -- Adaptive, Scalable, and Human-Centered Technology for Data Visualization Literacy and Educational Assessment Development. -- Designing and Evaluating AI-generated Multimodal Analogy-Based Explanations. -- Multimodal Story Generation Using Generative AI for Contextualised Mathematics Education. -- Large Language Models to Enhance Learning In Cultural Heritage. -- Understanding Human-GenAI Collaboration for Complex Problem-Solving Tasks in Online Settings. -- Overview of AI Grading of Physics Olympiad Exams. -- From One-Size-Fits-All to Personalisation: Transforming Gamified Learning Through Localisation and Multidimensionality in the Arab Culture. -- Supporting Information Problem Solving in the Age of Misinformation and Generative AI: A Socio-technical Approach.

Sommario/riassunto

This three-volume set CCIS 2590-2592 constitutes poster papers and late breaking results, workshops and tutorials, practitioners, industry and policy track, doctoral consortium, blue sky and wideAIED papers presented at the 26th International Conference on Artificial Intelligence in Education, AIED 2025, held in Palermo, Italy, during July 22–26, 2025. The 72 full papers and 73 short papers (72 of them presented as posters) presented in this book were carefully reviewed and selected from 296 submissions. They are organized in topical sections as follows: Part I: BlueSky; Practitioners, Industry and Policy; WideAIED; Doctoral Consortium. Part II: Late Breaking Results; Part III: Late Breaking Results; Workshops and Tutorials.