1. Record Nr. UNINA9911046533803321

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Titolo	Educational Innovation Through Technology : 13th International Conference, EITT 2024, Macau, China, November 8–10, 2024, Proceedings / / edited by Qingtang Liu, Jing Lei, Liming Zhang, Yantao Wei
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2026
ISBN	981-9515-25-4
Edizione	[1st ed. 2026.]
Descrizione fisica	1 online resource (413 pages)
Collana	Communications in Computer and Information Science, , 1865-0937 ; ; 2600
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Disciplina	371.334
Soggetti	Education - Data processing Information visualization Computer science Artificial intelligence Engineering design Computers and Education Data and Information Visualization Computer Science Artificial Intelligence Engineering Design
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	-- AI-Powered Educational Innovation. -- Empowering Elementary School English Review Lessons with Generative AI: Constructing the RCPA Human-Machine Collaborative Teaching Model. -- Design and Development of an LLM-empowered Arguing Pedagogical Agent with a Personalized Avatar, Movements, and Voice. -- Student Emotion Recognition Research Based on Deep Learning Techniques: An Example of Primary and Secondary School Classrooms. -- The Influence of GAI on the Development of Students' Higher-Order Thinking Ability: Meta-

Analysis Based on Relevant Empirical Studies at Home and Abroad Since 2022. -- Design of Knowledge Graph Solutions to Enhance Resilience in STEM Education. -- Understanding College Students' AI Literacy in Course Essays: A Topic Modeling-Based Method. -- Emotion Recognition for Learners Based on Facial Expressions and BVP Signals. -- Making AI Forget You: Removing Educational Data from Intelligent Education Models. -- A Low-consumption Teaching Role Recognition Method for Teaching Analysis. -- Open Management of Research-oriented Laboratories in Universities Based on an “AI for Science” Paradigm. -- Tech-Enhanced Curriculum & Teaching InnovationsSTE. -- STEM, Cultural Heritage, and Junior High School Labor Curriculum: An Example of the 3-way Luban Lock C-STEAM Project. -- LIDT Framework and Implementation of Life-Oriented Instructional Design for Preschool Children’s Scientific Activities Empowered by Digital Intelligence Technology. -- A Practical Study of AR Technology-enabled Children's Immersion Learning. -- Research on the Construction and Application of a Multi-agent Collaborative Digital Volunteer Education Model. -- Can Information Technology Bridge Cultural Differencesc? Design and Effectiveness Analysis of COIL Based on Intercultural Communication. -- Design, Implementation, and Application of a 3-D Virtual Simulation Visualization Experiment System for Camera Calibration. -- AI-driven Learning Analytics & Assessment. -- Optimizing the Assessment System of Integrated Course Design through Causal Inference. -- Evaluation and Continuous Improvement of Graduation Design Based on Causal Inference. -- Assessment of an AI-Assisted Power Supply Experiment Design Based on Causal Inference. -- A Measurement Method of Knowledge Contribution by Learners During a Design Process. -- Investigating How Self-Recording and Playback Influence Music Students’ Self-Assessment. -- Exploring the Influencing Factors of Pupil Gratification towards Elementary School Library Services: A TAM-Based Study. -- What Characteristics of Social Media Make Teachers' Learning and Training Effective. -- Undersea Adventure (UA): A Stealth Approach to Collaborative Skills Assessment in Schools.

Sommario/riassunto

The volume CCIS 2600 constitutes the refereed post-conference proceedings of the 13th International Conference of Educational Innovation through Technology, EITT 2024, Macau, China, during November 8–10, 2024. The 17 revised full papers and 7 short papers presented in these proceedings were carefully reviewed and selected from 78 submissions. The papers are organized in the following topical sections: AI-Powered Educational Innovation, Tech-Enhanced Curriculum & Teaching Innovations, and AI-driven Learning Analytics & Assessment.