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Soggetti	Education - Data processing Computer engineering Computer networks Application software Artificial intelligence Computers and Education Computer Engineering and Networks Computer and Information Systems Applications Artificial Intelligence
Lingua di pubblicazione	Inglese
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Developing a Game-Based Speech Recognition System to Facilitate Oral Training Performance for Hearing Loss Children -- Combining deep learning and computer vision techniques for automatic analysis of the learning process in STEM education Computer-assisted instruction -- Automatic Topic-based Lecture Video Segmentation -- Exploring the Relationship Between Learning Achievement and Discussion Records in Remote Maker Activities -- A Semi-Systematic Literature Review of Holoporation in Education: The Potential of Immersive Technology -- Interactive learning environments -- Designing STEM Learning Activity Based on Virtual Reality -- Using Immersive Virtual Reality to Explore

the Learning Performance and Cognitive Load of Students in STEAM
Electronic Circuits Learning -- The Application of Mind Map and
Cooperative Learning Teaching Method on the Machining Technology
Course -- A Pilot Study on Maker Spirit-PBL Innovation and
Entrepreneurship Course Design and Effect Evaluation -- Collaborative
learning -- Learning management systems -- Distance learning E-
learning -- Computing education -- Computational thinking --
Computer engineering education -- Information technology education
-- Information science education -- Computational science and
engineering education -- Student assessment -- K-12 education --
Informal education -- Computer supported cooperative work --
Intelligent agents.

Sommario/riassunto

This book constitutes the refereed proceedings of the 5th International Conference on Innovative Technologies and Learning, ICITL 2022, held in Porto, Portugal, in August 2022. The 53 full papers presented together with 3 short papers were carefully reviewed and selected from 123 submissions. ICITL focuses on artificial intelligence in education, VR/AR/MR/XR in education, design and framework of learning systems, pedagogies to innovative technologies and learning, application and design of innovative learning.