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Titolo	Creative Applications of Artificial Intelligence in Education // edited by Alex Urmeneta, Margarida Romero
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Lingua di pubblicazione	Inglese
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Nota di contenuto	PART I Teaching and learning about AI in a creative way -- Chapter 1 Creative uses of AI in education -- Chapter 2 Preserving Teacher and Student Agency: Insights From a Literature Review -- Chapter 3 Massive Open Online Courses for AI literacy -- Chapter 4 Learning AI through open educational resources -- Chapter 5 From AI acculturation to AI techno creative activities -- Chapter 6 AI in education: Creative engagement during the Ukrainian conflict -- PART II Creative pedagogy with AI in K-12 education -- Chapter 7 Acculturating middle schoolers

to AI -- Chapter 8 Informal education practices for human-AI creative pedagogy -- Chapter 9 Challenges and opportunities of AI in education: the learners' perspective -- PART III AI in Higher Education -- Chapter 10 Affordances and AI in playful learning environments -- Chapter 11 Generative AI in Higher Education -- Chapter 12 AI in Professional Training: from simulators to learning analytics -- Chapter 13 AI for business education.

Sommario/riassunto

This open access book explores the synergy between AI and education, highlighting its potential impact on pedagogical practices. It navigates the evolving landscape of AI-powered educational technologies and suggests practical ways to personalise instruction, nurture human-AI co-creativity, and transform the learning experience. Spanning from primary to higher education, this short and engaging volume proposes concrete examples of how educational stakeholders can be empowered in their AI literacy to foster creativity, inspire critical thinking, and promote problem-solving by embracing AI as a tool for expansive learning. Structured in three parts, the book starts developing the creative engagement perspective for learning and teaching to then present practical applications of AI in K-12 and higher education, covering different fields (teacher education, professional education, business education) as well as different types of AI supported tools (games, chatbots and AI assisted assessment). It also delves into the ethical considerations, policy implications, and the central role educators play in harnessing the power of an AI informed educational experience. Alex Urmeneta is a transformational and results-driven Learning Experience Strategist specialising in EdTech and start-up environments. Currently working for the Danish EdTech startup Rotoy ApSFor, he has been developing innovative curricula and leveraging technology and science-backed pedagogical strategies to create impactful educational content for over a decade. He has international experience in the finance, technology and education sectors and has led teams for Microsoft as well as other Fortune 500 entities. Margarida Romero is a full professor at Université Côte d'Azur, France, and associate professor at Université Laval, Canada. Founder of the Laboratoire d'Innovation et Numérique pour l'Education (LINE) research lab, she also coordinates the #Scol_IA Working Group on the educational challenges of artificial intelligence in education and co-directs the international MSc Smart EdTech program. Her research focuses on the study of transversal competencies, particularly in relation to computational thinking and creative problem-solving. .
