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Nota di contenuto	Part 1: Conceptual facets of generative AI and human-computer creativity -- Generative AI: From human-computer interaction to human-computer creativity -- Emerging paradigms in human-AI creativity: From visualisation to biofeedback in adaptive interfaces -- Creativity in the age of AI: Comparing human and machine performance using standardized tests -- The role of AI in transforming educational models: A critical analysis of opportunities and challenges -- Part 2: Generative AI and creativity in education -- Transforming education: The potential of generative AI tools for improving learning experience -- Enhancing digital pedagogy and creativity: Generative AI, video avatars, and personalized learning in online education -- Creative learning using generative AI: Empowering problem-solving and programming skills -- Generative AI applications in education: A low-code/no-code approach -- Generative AI and digital twins: Fostering creativity in learning environments -- Part 3: Generative AI and creativity in art -- Generative AI and the evolution of artistic creativity

-- The Next-GenAI-rtists: A new generation of artists with generative tools -- Augmented creativity: Augmenting the archaeological imagination with generative AI tools -- Artist-computer collaboration and the treachery of AI images: This pipe does not exist -- Disrupting scholarly writing creatively using large language models -- Part 4: Generative AI and creativity in healthcare -- Human doctors vs AI models: Advice perceptions in Serbia, Kazakhstan, and Kyrgyzstan -- AI technology in psychological education and treatment: An overview of practical and creative applications -- Generative AI hallucinations in healthcare: A challenge for prompt engineering and creativity -- Dentistry in the digital age: Exploring human-computer creativity in dental education and practice -- Generative AI with quantum computing for visualizing proteins in mixed reality -- Concluding remarks.

Sommario/riassunto

This pioneering volume showcases how generative AI has evolved from a mere tool to a creative partner, transforming the boundaries of innovation and collaboration across various disciplines. With contributions from 53 global experts spanning 21 countries, this comprehensive resource explores the transformative impact of AI on education, art, and healthcare. It reveals how AI enhances learning experiences, fosters new artistic expressions, and revolutionises patient care and medical research. Organised into five thematic parts, the book offers a balanced mix of conceptual frameworks, case studies, and practical insights, providing readers with a thorough understanding of how human ingenuity and artificial intelligence intersect to solve problems, inspire creativity, and redefine industries. Whether you are an academic, practitioner, or inquisitive reader, this volume invites you to engage with the cutting-edge possibilities of generative AI and embrace the future of human-computer collaboration.