

1. Record Nr.	UNINA9910913794603321
Titolo	Artificial Intelligence in Education: The Intersection of Technology and Pedagogy // edited by Peter Ilic, Imogen Casebourne, Rupert Wegerif
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2024
ISBN	9783031712326 3031712323 9783031712319 3031712315
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (314 pages)
Collana	Intelligent Systems Reference Library, , 1868-4408 ; ; 261
Disciplina	371.33463
Soggetti	Engineering - Data processing Computational intelligence Machine learning Artificial intelligence Data Engineering Computational Intelligence Machine Learning Artificial Intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction:Constructive dialogue between technology and pedagogy -- AI-Enhanced Ecological Learning Spaces -- Reimagining Learning Experiences with the Use of AI -- Generative AI integration in education: challenges and approaches -- Navigating AI in Education-- Towards a System Approach for Design of Educational Changes -- AI in the Assessment Ecosystem: A Human-Centered AI Perspective -- The role of AI language assistants in dialogic education for collective intelligence -- AI powered adaptive formative assessment: Validity and reliability Evaluation -- Decimal Point: A Decade of Learning Science Findings with a Digital Learning Game -- Leveraging AI to Advance Science and Computing Education across Africa: Challenges, Progress and Opportunities -- Educating Manufacturing Operators by Extending

Reality with AI -- Pedagogical Restructuring of Business
Communication Courses: AI-Enhanced Prompt Engineering in an EFL
Teaching Context -- AI in Language Education: The Impact of Machine
Translation and ChatGPT.

Sommario/riassunto

This book offers a multidisciplinary perspective on the ways in which the careful integration of AI might enhance learning outcomes. By inviting dialogue between engineering (what is possible) and pedagogy (what might be desirable), the book offers a holistic view of AI's potential for education. Offering both case studies of practical implementation and pedagogically informed frameworks, it focuses on appropriately integrating technology for educational benefit, presenting a uniquely broad view. The contributors, who are both educators and technically proficient, bring insights into teaching and assessment approaches, research questions, and technological affordances or constraints. Essential for researchers, educators, and policymakers navigating the rapidly evolving educational technology landscape as AI becomes increasingly prevalent in every aspect of life.
