1.	Record Nr.	UNINA9910992776703321
	Titolo	Social Robots in Education : How to Effectively Introduce Social Robots into Classrooms / / edited by Georgios Lampropoulos, Stamatios Papadakis
	Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2025
	ISBN	3-031-82915-8
	Edizione	[1st ed. 2025.]
	Descrizione fisica	1 online resource (XI, 521 p. 74 illus., 60 illus. in color.)
	Collana	Studies in Computational Intelligence, , 1860-9503 ; ; 1194
	Disciplina	629.8
	Soggetti	Automatic control Robotics Automation Computational intelligence Artificial intelligence Control, Robotics, Automation Computational Intelligence Artificial Intelligence
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di contenuto	Part I: Social Robots and Artificial Intelligence in Education -- The Educational Value of Artificial Intelligence and Social Robots -- Enabling Autonomous and Adaptive Social Robots in Education: A Vision for the Application of Generative AI -- Interactions in the Wild: Student and Teacher Perceptions of Social Robots in Public Classrooms -- The Next Generation of Personalized Educational AI: Integrating Emotion and Cognition -- Teaching with AI: The Implications and Challenges -- School children theories on ChatGPT: Educational perspectives of the implementation of Artificial Intelligence in Social Robots -- Integrating Arduino and Artificial Intelligence in STEM Education -- Part II: Social Robots in Special Education and Ethical Considerations -- Ethical Considerations in Designing and Testing Robots for Children in Educational Settings -- The use of social robots in educational settings: acceptance and usability -- "To teach is to learn twice": using social robots as tutees in inclusive education --

Pedagogical Guidelines for Telepresence Robots Users: A Pilot -- Exploring Nao's Role in Enhancing Motor Activity for Young Children with ASD in Inclusive Classrooms -- The application of emerging technologies in autistic students during the period 1996-2023: A conceptual, social and intellectual review -- Part III: Practical Applications of Social Robots -- A Meta-Analysis of the Efficacy of Conversational AI Use in EFL Learning Contexts -- Ambient Anthropomorphic Social Educational Robotics -- Educational Robots: Past, Present, Future -- Theoretical and practical coherence of integrated STEM education and educational robotics: review and analysis of good practices in Europe -- Science Mapping of the Knowledge Base on the Effects of Artificial Intelligence (AI)-Based Chatbots on Student Learning Outcomes: A Bibliometric Study -- The Integration of Entrepreneurship-Based Robotics into Classrooms.

| Sommario/riassunto | This book focuses on recent advances in the field of social robots and their integration in education. It elaborates on the progressive evolution of human-robot interaction and educational robotics, the emergence of digital pedagogy, and the implementation of personalized learning methodologies. The book also examines the use of artificial intelligence (AI) in education through the lenses of social robots. Hence, the book offers an overview of recent research into the adoption, integration, advancements, and impact of social robots and AI in education and presents guidelines and suggestions on how to integrate them in classrooms. Specifically, the book: Provides an in-depth overview of social robots and their use in education. Presents the advances of social robots and AI in education. Showcases innovative solutions and outcomes of integrating social robots in classrooms. Discusses the challenges, benefits, and future research directions of using social robots and AI in education. |