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	Nota di contenuto	Chapter 1. Examining the Validity and Reliability of the Teacher Self-Efficacy Scale in the Use of ICT at Home for Preschool Distance Education (TSES-ICT-PDE) among Greek Preschool Teachers: A Comparative Study with Turkey -- Chapter 2. Benefits, Challenges and Opportunities of Using Computer-Assisted Instruction in Mathematics Education -- Chapter 3. Exploring the Use of ChatGPT as a Tool for Developing Eportfolios in ESL Classrooms -- Chapter 4. Exploring the Use of Alexa as a Motivational Tool in English Language Learning Among EFL Students in Israel -- Chapter 5. Smart Education: Social risks and challenges -- Chapter 6. The Role of Computers in Education in the Era of the Fourth Industrial Revolution -- Chapter 7. Play, Code, Learn: Fostering Computational Thinking in Primary Aged Learners Through Interactive Play -- Chapter 8. Opinion of Spanish teachers

about Artificial Intelligence and its use in education -- Chapter 9. School Leadership 4.0: Are we ready? -- Chapter 10. Harnessing thePower of Digital Resources in Mathematics Education: The Potential of Augmented Reality and Artificial Intelligence -- Chapter 11. ICT Use in Blog Design: A Study of Pre-service Preschool Teachers During Pandemic.

Sommario/riassunto	This book provides insight into the importance of advanced innovative technologies such as the Internet of Things (IoT), artificial intelligence (AI), and Metaverse as part of information and communication technology (ICT) solutions in education. Key features of this book include the recent and emerging developments in various specializations in education and finding their solutions by incorporating IoT, AI and ICT. This book presents useful applications, interventions, and case studies that cater to their improved requirements. Topics include formal and services based on IoT; AI technology for IoT-based educational delivery; interfacing devices to IoT; smart educational services; ChatGPT; Smartbots; and more. The authors include several practical solutions and applications of IoT and ICT in education. The book applies to researchers, academics, students, educators and practitioners around the world. Applies to researchers, academics, students, educators, and practitioners around the world; Presents useful applications, interventions, and case studies in educational technology; Provides insight into IoT, AI, and ICT technologies being used in educational applications.