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Autore	NAHIN, Paul J.
Titolo	The science of radio : with Matlab and electronics workbench demonstrations / Paul J. Nahin
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2. Record Nr.	UNINA9910887817703321
Autore	Armony Yoav
Titolo	Inevitability of AI Technology in Education : Futurism Perspectives for Education for the Next Two Decades / / by Yoav Armony, Orit Hazzan
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ISBN	9783031727900 3031727908
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Nota di contenuto	Chapter 1. The story of technology in our life The characteristics of technology and its affect on us Inevitable technology -- Chapter 2. What causes technology to become inevitable? Methods for future research When does technology become inevitable? -- Chapter 3: Why does technology implementation fail in the education system? -- Chapter 4. - AI, VR & AI-Companion -- Chapter 5. What is Omni-Assistant Omni-Assistant -- Chapter 6. Omni-Assistant - feasible scenario in the education system -- Chapter 7. Could Omni-Assistant become 'inevitable' in the education system? -- Chapter 8. Omni-Assistant - desired scenario in the education system.
Sommario/riassunto	This book layouts historic and future perspectives at the introduction of technology into education systems: On the one hand, the book attempts to explain why despite numerous attempts, technology has struggled to integrate successfully into the education system for over a century; on the other hand, it explores whether this trend will persist in the foreseeable future, questioning if emerging technologies, like virtual reality or Gen-AI will ever be embraced by education systems

worldwide, and introducing a hypothesis that these technologies will become inevitable so that education systems will have a little choice in adopting them. The underlying perspective is that education systems need to prepare for this new future and better start doing so now. The book encompasses three key areas: education, technology, and future studies, with a focus on how technology will shape the future of education. It begins by examining past failures of integrating technology into education, analyzing the reasons behind these setbacks. It progresses to assess the potential integration of future technologies (10-20 years from now), exploring a feasible scenario and the force implications on learning, teachers, and the system. Examining recent attempts to implement technology in education reveals numerous reasons for failure. A significant contributing factor appears to be inherent conflicts within the education system's fundamental structure. These conflicts, involving goals, curricula, organizational structure, pedagogy, and student management, prevent the system from embracing reforms or new technologies. Envisioning a future where technology will deeply 'know' the students, 'sense' their environment, 'understand' the context and the situation, 'explain' and 'advise' them on the best suitable behavior or activity, the book anticipates applications in education ranging from ensuring personal safety and health to enhancing knowledge acquisition and decision-making. As the book explores the potential inevitability of technology in education, it recognizes the transformative impact on teachers and students and outlines possible desire scenario to aid in preparation, such as, personalized education to better suit student's capabilities, needs, and desires; how to motivate students to learn in an environment where all tasks can be done by machines; ethical issues; the new role of the school, the educator, and the system, etc. This book is especially suitable for teachers, educators, public officials, and anyone interested in the future of education.

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