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Nota di contenuto	Part I: Preface -- Part II: Introduction -- Mind, brain, and technology: what is learning and how people learn -- Multidisciplinary emerging technologies to assess and measure how people learn -- Part III: Neurosciences, learning sciences, and technologies in complex learning contexts -- Developing brain in a multitasking world -- Perspectives from social and affective neuroscience on design and implementation of learning technologies -- Complex learning environments with emerging technologies -- Part IV: Domain specific aspects of emerging technologies for learning -- Learning to read in the era of educational technologies -- Learning technologies for mathematical processing -- Neuroscience, metacognition, and instructional research -- Part V: Future directions -- Edu-game sensors for cognitive appraisal and affect detection -- The potential impact on educational practices and policies -- Implications for instructional design and technology

research -- Future possible computational neuropsychology for educational technologies.

Sommario/riassunto

As technology becomes increasingly integrated into our society, cultural expectations and needs are changing. Social understanding, family roles, organizational skills, and daily activities are all adapting to the demands of ever-present technology, causing changes in human brain, emotions, and behaviors. An understanding of the impact of technology upon our lives is essential if we are to adequately educate children for the future and plan for meaningful learning environments for them. *Mind, Brain and Technology* provides an overview of these changes from a wide variety of perspectives. Designed as a textbook for students in the fields and interdisciplinary areas of psychology, neuroscience, technology, computer science, and education, the book offers insights for researchers, professionals, educators, and anyone interested in learning more about the integration of mind, brain and technology in their lives. The book skilfully guides readers to explore alternatives, generate new ideas, and develop constructive plans both for their own lives and for future educational needs.
