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Titolo	Handbook of Human Multitasking // edited by Andrea Kiesel, Leif Johannsen, Iring Koch, Hermann Müller
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ISBN	3-031-04760-5
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Descrizione fisica	1 online resource (518 pages)
Disciplina	650.11
Soggetti	Cognitive psychology Sports - Psychological aspects Neuropsychology Psychology, Experimental Psychometrics Cognitive Psychology Sport Psychology Experimental Psychology Psicologia cognitiva Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Part 1 Simultaneous Multitasking -- Dual-task performance with simple tasks -- Multitasking during continuous task demands: the cognitive costs of concurrent sensorimotor activities -- Part 2 Sequential Multitasking -- Task switching: Cognitive control in sequential multitasking -- Task Interruptions -- Language Multitasking -- Part 3 Neural Basis of multitasking -- The neural basis of simultaneous multitasking -- The contribution of functional brain imaging to the understanding of cognitive processes underlying task switching -- Part 4 -- Multitasking Training -- Training Based on Multitasking - With a Specific Focus on Motor-Cognitive Multitasking -- The Multitasking Motorist -- Multitasking in healthy aging and neurodegeneration: Experimental findings and health-related applications -- Music training, dance training, and multitasking.

Sommario/riassunto

This handbook on human multitasking provides an integrative overview on simultaneous and sequential multitasking and thus combines theorizing on dual task limitations as well as costs related to task switching. In addition to a wide range of empirical findings and their theoretical integration, the editors provide a number of applications of multitasking, like training, interindividual differences and applied research in traffic and health psychology and music expertise. The book is suitable for people interested in multitasking, that is, for researchers and graduate students of cognitive psychology, movement science, sport psychology, cognitive neuroscience, cognitive and neurological rehabilitation, aging sciences, and broader cognitive science. Brings together dual task studies and task switching research for the first time; Focuses on the cognitive cost related to multitasking, with an emphasis on movement science and training; Creates a bridge between movement science and cognitive psychology.
