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Edizione	[First edition.]
Descrizione fisica	1 online resource (183 pages)
Collana	Occupational safety, health, and ergonomics. Theory and practice
Disciplina	658.382
Soggetti	Industrial safety - Management Industrial safety - Data processing Industrial hygiene - Data processing
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Nota di contenuto	1. Introduction to Virtual Reality (VR). 2. Virtual Reality as a Training Tool. 3. Increasing the Cognitive Skills of Workers via Virtual Environments. 4. Testing Workstations in Virtual Reality -- An Example of Cooperation with a Robot (Collaborative Robot). 5. Virtual Reality in the Adaptation of Workstations and Workplaces. 6. The Use of Virtual Environments to Support the Selection of Protective Systems for Machines in Order to Reduce the Risk Associated with Their Operation. 7. Numerical Simulations in Virtual Environments. 8. Summary.
Sommario/riassunto	"These VR techniques offer a wide range of possibilities for people with disabilities and special needs assisting them in the process of adapting workstations and provide the perfect tools to support the engineering of safer workplace environment"--