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	Descrizione fisica	1 online resource (1,153 pages)
	Collana	Advances in Intelligent Systems and Computing, , 2194-5357 ; ; 876
	Disciplina	620.82
	Soggetti	Computational intelligence Engineering design User interfaces (Computer systems) Software engineering Cognitive psychology Computational Intelligence Engineering Design User Interfaces and Human Computer Interaction Software Engineering Cognitive Psychology
	Lingua di pubblicazione	Inglese
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	Sommario/riassunto	This book focuses on novel design and systems engineering approaches, including theories and best practices, for promoting a better integration of people and engineering systems. It covers a range of hot topics related to: development of activity-centered and user-centered systems; interface design and human-computer interaction; usability and user experience; cooperative, participatory and contextual models; emergent properties of human behavior; innovative materials in manufacturing, and many more. Particular emphasis is placed on

applications in sports, healthcare, and medicine. The book, which gathers selected papers presented at the 1st International Conference on Human Systems Engineering and Design: Future Trends and Applications (IHSED 2018), held on October 25-27, 2018, at CHU-Université de Reims Champagne-Ardenne, France, provides researchers, practitioners and program managers with a snapshot of the state-of-the-art and current challenges in the field of human systems engineering and design.