1. Record Nr. UNINA9910299915203321

Titolo	Advances in Neuroergonomics and Cognitive Engineering : Proceedings of the AHFE 2017 International Conference on Neuroergonomics and Cognitive Engineering, July 17–21, 2017, The Westin Bonaventure Hotel, Los Angeles, California, USA / / edited by Carryl Baldwin
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2018
ISBN	3-319-60642-5
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (XV, 458 p. 133 illus.)
Collana	Advances in Intelligent Systems and Computing, , 2194-5365 ; ; 586
Disciplina	004.6
Soggetti	Computational intelligence User interfaces (Computer systems) Human-computer interaction Cognitive psychology Neurosciences Computational Intelligence User Interfaces and Human Computer Interaction Cognitive Psychology Neuroscience
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Sommario/riassunto	This book offers a broad perspective on the field of cognitive engineering and neuroergonomics, covering emerging practices and future trends toward the harmonious integration of human operators with computational systems. It reports on novel theoretical findings on mental workload and stress, activity theory, human reliability, error and risk, and neuroergonomic measures alike, together with a wealth of cutting-edge applications. Further, the book describes key advances in our understanding of cognitive processes, including mechanisms of perception, memory, reasoning, and motor response, with a special emphasis on their role in interactions between humans and other

elements of computer-based systems. Based on the AHFE's main track on Neuroergonomics and Cognitive Engineering, held on July 17–21, 2017 in Los Angeles, California, USA, it provides readers with a comprehensive overview of the current challenges in cognitive computing and factors influencing human performance.