1. Record Nr. UNINA9910890172003321

Autore	Long Shengzhao
Titolo	Man-Machine-Environment System Engineering : Proceedings of the 24th Conference on MMESE / / edited by Shengzhao Long, Balbir S. Dhillon, Long Ye
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2024
ISBN	981-9771-39-0
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (993 pages)
Collana	Lecture Notes in Electrical Engineering, , 1876-1119 ; ; 1256
Altri autori (Persone)	DhillonBalbir S YeLong
Disciplina	629.892
Soggetti	Manufactures Industrial management Aerospace engineering Astronautics Artificial intelligence Environmental engineering Biotechnology Bioremediation Machines, Tools, Processes Industrial Management Aerospace Technology and Astronautics Artificial Intelligence Environmental Engineering/Biotechnology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	-- Part 1 Research on the Man Character. -- Chapter 1 The impact of media multitasking behavior on information processing among college freshmen. -- Chapter 2 Thoughts on Enhancing the Ability of Intelligent Command and Decision-making. -- Chapter 3 A study on the visual characteristics of visitors to industrial heritage based on ergonomic eye tracking technology. -- Chapter 4 Research on the Impact of Experience Level and Load Conditions on the Safety Behavior of Subway Dispatching. -- Chapter 5 Moderator roles of personality

traits in the relationships between psychological needs and safety motivation. -- Chapter 6 A study of the distribution of pressure pain thresholds for the human head, etc.

Sommario/riassunto

From this book reader will learn the best research topics and the latest development trend in MMESE theory and application. Man-Machine-Environment System Engineering (MMESE) is a scientific study on the design concepts and quantitative analysis of a complex giant system using physiology, psychology, system engineering, computer science, environment science, management theory, education, and other related disciplines methods. MMESE focuses mainly on the relationship and the optimum combination between Man, Machine, and Environment. The three optimized goals of the MMESE study are safety, efficiency, and economy. Researchers and professionals who study a human-centered interdisciplinary subject crossing above disciplines will be mostly benefited from this proceedings. In 1981 with direct support from one of the greatest modern Chinese scientists, Xuesen Qian, Man-Machine-Environment System Engineering (MMESE), the integrated and advanced science research topic was established in China by Professor Shengzhao Long. Man-Machine-Environment System Engineering: Proceedings of the 24th Conference on MMESE is the academic showcase of latest research papers selected from more than 500 submission in this field in 2024.