

1. Record Nr.	UNINA9910366606003321
Titolo	Advances in Safety Management and Human Factors : Proceedings of the AHFE 2019 International Conference on Safety Management and Human Factors, July 24-28, 2019, Washington D.C., USA // edited by Pedro M. Arezes
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-20497-9
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (410 pages)
Collana	Advances in Intelligent Systems and Computing, , 2194-5365 ; ; 969
Disciplina	363.11
Soggetti	Security systems Occupational health services Psychology, Industrial User interfaces (Computer systems) Human-computer interaction Engineering design Security Science and Technology Occupational Health Work and Organizational Psychology User Interfaces and Human Computer Interaction Engineering Design
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Human-System Interaction Design Requirements to Improve Machinery and Systems Safety -- A Susceptibility Model for Organizational Accidents -- How Ergonomics Is Contributing to Overall Equipment Effectiveness: A Case Study -- Integrated Management in Disaster: A Discussion of Competences in a Real Simulation -- Implementing the REPAIRER Human Factors Safety Reporting System Through MRM (MxHF) to Meet SMS Compliance in Aviation Maintenance -- Influence of the Human Factor on the Risk of Work on Scaffolding -- The Sailport Project: A Trilateral Approach to the Improvement of Workers' Safety and Health in Ports -- Robots and Human Interaction in a Furniture

Sommario/riassunto

This book discusses the latest findings on ensuring employees' safety, health, and welfare at work. It combines a range of disciplines – e.g. work physiology, health informatics, safety engineering, workplace design, injury prevention, and occupational psychology – and presents new strategies for safety management, including accident prevention methods such as performance testing and participatory ergonomics. The book, which is based on the AHFE 2019 International Conference on Safety Management and Human Factors, held on July 24-28, 2019, Washington D.C., USA, provides readers, including decision makers, professional ergonomists and program managers in government and public authorities, with a timely snapshot of the state of the art in the field of safety, health, and welfare management. It also addresses agencies such as the Occupational Safety and Health Administration (OSHA) and the National Institute for Occupational Safety and Health (NIOSH), as well as other professionals dealing with occupational safety and health.
