

Handbook of Standards and Guidelines in Ergonomics and Human Factors



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出版者:

出版时间:2005-12

装帧:

isbn:9780805841299

Human factors and ergonomics (HFE) standards and guidelines play an important role in facilitating the design and optimal working conditions with regard to human safety, health, and general well-being - as well as system performance in the context of technological advances and opportunities for economic development worldwide. Such standards and guidelines offer guidance on the design of work systems including tasks, equipment, and workplaces, as well as working conditions in relation to human capacities and limitations. "The Handbook of Standards and Guidelines in Ergonomics and Human Factors" offers a comprehensive review of and knowledge about the selected international and national standards and guidelines in the broadly defined area of ergonomics and human factors - including relevant safety and health issues. The Handbook consists of 32 chapters divided into nine sections including: The Standardization Efforts in Human Factors and Ergonomics; Nature of HFE Standards and Guidelines; Engineering Anthropometry and Working Postures; Design and Evaluation of Manual Material Handling Task; Human-Computer Interaction; Management and Occupational Safety and Health; Safety and Legal Protection Standards; Military Human Factor Standards; and, Sources of Human Factors and Ergonomics Standards. This book appeals to professionals in HFE and other related fields including ergonomics specialists, consultants, and practitioners; researchers and graduate students from a great variety of interrelated fields including engineering, safety, manufacturing, and product design; industrial and system designers; managers and supervisors responsible for management of corporate ergonomics and safety and health; architects; quality specialists; occupational health and safety and environmental protection managers; and, government officials at all levels.

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