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	Titolo	Man-Machine-Environment System Engineering : Proceedings of the 16th International Conference on MMESE / / edited by Shengzhao Long, Balbir S. Dhillon
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	Disciplina	620
	Soggetti	Robotics
		Automation
		Artificial intelligence
		Human physiology
		Engineering design
		Aerospace engineering
		Astronautics
		Quality control
		Reliability
		Industrial safety
		Robotics and Automation
		Artificial Intelligence
		Human Physiology
		Engineering Design
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		Quality Control, Reliability, Safety and Risk
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	Nota di bibliografia	Includes bibliographical references.
	Nota di contenuto	Research on the Man Character -- Research on the Machine Character -- Research on the Environment Character -- Research on the Man-Machine Relationship -- Research on the Man-Environment Relationship -- Research on the Machine-Environment Relationship -- Research on the Overall Performance of Man-Machine-Environment

System -- Theory and Application Research.

| Sommario/riassunto | This research topic was first established in China by Professor Shengzhao Long in 1981, with direct support from one of the greatest modern Chinese scientists, Xuesen Qian. In a letter to Shengzhao Long from October 22nd, 1993, Xuesen Qian wrote: "You have created a very important modern science subject and technology in China!" MMESE primarily focuses on the relationship between Man, Machine and Environment, studying the optimum combination of man-machine-environment systems. In this system, "Man" refers to working people as the subject in the workplace (e.g. operators, decision-makers); "Machine" is the general name for any object controlled by Man (including tools, machinery, computers, systems and technologies), and "Environment" describes the specific working conditions under which Man and Machine interact (e.g. temperature, noise, vibration, hazardous gases etc.). The three goals of optimization are to ensure "Safety, High efficiency and Economy" of man-machine-environment systems. These proceedings are an academic showcase of the best papers selected from more than 400 submissions, introducing readers to the top research topics and the latest developmental trends in the theory and application of MMESE. These proceedings are interdisciplinary studies on the concepts and methods of physiology, psychology, system engineering, computer science, environment science, management, education, and other related disciplines. Researchers and professionals who study an interdisciplinary subject crossing above disciplines or researchers on MMESE subject will be mainly benefited from these proceedings. |