1.	Record Nr.	UNINA9910143718903321
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	Titolo	People and organizations [[electronic resource]] : explorations of human-centered design / / William B. Rouse
	Pubbl/distr/stampa	Hoboken, N.J., : John Wiley, c2007
	ISBN	1-280-93527-8
		9786610935277
		0-470-16956-7
		0-470-16955-9
	Descrizione fisica	1 online resource (471 p.)
	Collana	Wiley series in systems engineering and management
	Disciplina	620.8/2
		658.3
	Soggetti	Human engineering
		Electronic books.
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Description based upon print version of record.
	Nota di bibliografia	Includes bibliographical references and index.
	Nota di contenuto	The path of serendipity -- Estimation, mental models, and teams -- Processes, networks, and demands -- Tasks, errors, and automation -- Failures, detection, and diagnosis -- Displays, controls, aiding, and training -- Information, knowledge, and decision making -- Products, systems, and services -- Invention, innovation, and options -- Challenges, situations, and change -- Value, work, and transformation -- People, organizations, and serendipity.
	Sommario/riassunto	This book is about people who operate, maintain, design, research, and manage complex systems, ranging from air traffic control systems, process control plants and manufacturing facilities to industrial enterprises, government agencies and universities. The focus is on the nature of the work these types of people perform, as well as the human abilities and limitations that usually enable and sometimes hinder their work. In particular, this book addresses how to best enhance abilities and overcome limitations, as well as foster acceptance of the means to these ends.