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Collana	Advances in Intelligent Systems and Computing, , 2194-5357 ; ; 599
Disciplina	620.82
Soggetti	Fossil fuels Quality control Reliability Industrial safety User interfaces (Computer systems) Computational intelligence Fossil Fuels (incl. Carbon Capture) Quality Control, Reliability, Safety and Risk User Interfaces and Human Computer Interaction Computational Intelligence
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Sommario/riassunto	This book addresses human factors research in energy, an emphasis on human factors applications in design, construction, and operation of nuclear, electrical power generation, and oil and gas assets. It discusses advanced strategies in the optimization of human and environmental performance, as well as personal and process safety. The book covers a wealth of topics in design and operation management of both offshore and onshore facilities, including design of control rooms, front-end engineering design (FEED), criticality

analysis, offshore transport, human contributions to accidents, cognitive bias in decision making, safety-critical human tasks, and many others. Based on the AHFE2017 Conference on Human Factors in Energy: Oil, Gas, Nuclear and Electric Power Industries, July 17-21, Los Angeles, California, USA, the book fills an important gap in the current literature, providing readers with state-of-the-art knowledge in human factors best-practice approaches across different types of industries and energy applications.

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