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Titolo	Advances in Human Factors in Energy: Oil, Gas, Nuclear and Electric Power Industries : Proceedings of the AHFE 2017 International Conference on Human Factors in Energy: Oil, Gas, Nuclear and Electric Power Industries, July 17–21, 2017, The Westin Bonaventure Hotel, Los Angeles, California, USA / / edited by Paul Fechtelkotter, Michael Legatt
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Collana	Advances in Intelligent Systems and Computing, , 2194-5365 ; ; 599
Disciplina	620.82
Soggetti	Cogeneration of electric power and heat Fossil fuels Security systems User interfaces (Computer systems) Human-computer interaction Computational intelligence Fossil Fuel Security Science and Technology User Interfaces and Human Computer Interaction Computational Intelligence
Lingua di pubblicazione	Inglese
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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.