Record Nr. UNINA9910437597803321 **Titolo** Human factors in augmented reality environments / / Weidong Huang, Leila Alem, Mark A. Livingston, editors Pubbl/distr/stampa New York, : Springer, 2013 **ISBN** 1-283-62385-4 9786613936301 1-4614-4205-2 Descrizione fisica 1 online resource (274 p.) Altri autori (Persone) HuangWeidong AlemLeila LivingstonMark A 005.72 Disciplina Soggetti Virtual reality Human-machine systems Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Includes bibliographical references. Nota di bibliografia pt. 1. Overview -- pt. 2. Perception and cognition -- pt. 3. Design Nota di contenuto principles and recommendations -- pt. 4. User experience. Sommario/riassunto Advances in hardware and networking have made possible a wide use of augmented reality (AR) technologies. However, simply putting those hardware and technologies together does not make a "good" system for end users to use. New design principles and evaluation methods specific to this emerging area are urgently needed to keep up with the advance in technologies. Human Factors in Augmented Reality Environments is the first book on human factors in AR, addressing issues related to design, development, evaluation and application of AR systems. Topics include surveys, case studies, evaluation methods and metrics, HCI theories and design principles, human factors and lessons learned and experience obtained from developing, deploying or evaluating AR systems. The contributors for this cutting-edge volume

are well-established researchers from diverse disciplines including psychologists, artists, engineers and scientists. Human Factors in Augmented Reality Environments is designed for a professional audience composed of practitioners and researchers working in the

field of AR and human-computer interaction. Advanced-level students in computer science and engineering will also find this book useful as a secondary text or reference.