Record Nr. UNINA9910484557103321 Proceedings of the 20th Congress of the International Ergonomics **Titolo** Association (IEA 2018): Volume VII: Ergonomics in Design, Design for All, Activity Theories for Work Analysis and Design, Affective Design / / edited by Sebastiano Bagnara, Riccardo Tartaglia, Sara Albolino, Thomas Alexander, Yushi Fujita Cham:,: Springer International Publishing:,: Imprint: Springer,, Pubbl/distr/stampa 2019 3-319-96071-7 **ISBN** Edizione [1st ed. 2019.] Descrizione fisica 1 online resource (xxxi, 2,141 pages): illustrations Advances in Intelligent Systems and Computing, , 2194-5357;; 824 Collana Disciplina 620.82 Soggetti Computational intelligence User interfaces (Computer systems) Psychology, Applied Quality control Reliability Industrial safety Computational Intelligence User Interfaces and Human Computer Interaction Applied Psychology Quality Control, Reliability, Safety and Risk Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Includes index. Sommario/riassunto This book presents the proceedings of the 20th Congress of the International Ergonomics Association (IEA 2018), held on August 26-30, 2018, in Florence, Italy. By highlighting the latest theories and models, as well as cutting-edge technologies and applications, and by combining findings from a range of disciplines including engineering, design, robotics, healthcare, management, computer science, human

biology and behavioral science, it provides researchers and practitioners alike with a comprehensive, timely guide on human

factors and ergonomics. It also offers an excellent source of innovative ideas to stimulate future discussions and developments aimed at applying knowledge and techniques to optimize system performance, while at the same time promoting the health, safety and wellbeing of individuals. The proceedings include papers from researchers and practitioners, scientists and physicians, institutional leaders, managers and policy makers that contribute to constructing the Human Factors and Ergonomics approach across a variety of methodologies, domains and productive sectors. This volume includes papers addressing the following topics: Ergonomics in Design, Activity Theories for Work Analysis and Design, and Affective Design.