1. Record Nr.   UNINA9910484845703321

   Titolo   Advances in Human Factors in Robots and Unmanned Systems : Proceedings of the AHFE 2018 International Conference on Human Factors in Robots and Unmanned Systems, July 21-25, 2018, Loews Sapphire Falls Resort at Universal Studios, Orlando, Florida, USA / / edited by Jessie Chen

   Pubbl/distr/stampa   Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019

   ISBN   3-319-94346-4

   Edizione   [1st ed. 2019.]

   Descrizione fisica   1 online resource (174 pages)

   Collana   Advances in Intelligent Systems and Computing, , 2194-5365 ; ; 784

   Disciplina   629.8

   Soggetti   Computational intelligence
                         Automatic control
                         Robotics
                         Automation
                         Psychology, Experimental
                         User interfaces (Computer systems)
                         Human-computer interaction
                         Computational Intelligence
                         Control, Robotics, Automation
                         Experimental Psychology
                         User Interfaces and Human Computer Interaction

   Lingua di pubblicazione   Inglese

   Formato   Materiale a stampa

   Livello bibliografico Monografia

   Sommario/riassunto   This book focuses on the importance of human factors in the development of safe and reliable unmanned systems. It discusses current challenges such as how to improve the perceptual and cognitive abilities of robots, develop suitable synthetic vision systems, cope with degraded reliability in unmanned systems, predict robotic behavior in case of a loss of communication, the vision for future soldier–robot teams, human–agent teaming, real-world implications for human–robot

interaction, and approaches to standardize both the display and control of technologies across unmanned systems. Based on the AHFE 2018 International Conference on Human Factors in Robots and Unmanned Systems, held on July 21–25, 2018, in Orlando, Florida, USA, this book fosters new discussions and stimulates new advances in the development of more reliable, safer, and highly functional devices for carrying out automated and concurrent tasks.