

1. Record Nr.	UNISA996451648903316
Autore	FANG, Zujie <1942->
Titolo	Fundamentals of optical fiber sensors / Zujie Fang ... [et al.]
Pubbl/distr/stampa	Hoboken, N. J., : Wiley, 2012
ISBN	9781118381717
Descrizione fisica	Testo elettronico (PDF) (XIII, 480 p.)
Collana	Wiley series in microwave and optical engineering
Disciplina	681.25
Soggetti	Fibre ottiche
Lingua di pubblicazione	Inglese
Formato	Risorsa elettronica
Livello bibliografico	Monografia
Sommario/riassunto	Questo libro descrive gli ultimi sviluppi nei dispositivi in fibra ottica e le loro applicazioni alla tecnologia dei sensori. I sensori in fibra ottica, un'applicazione importante della fibra ottica, hanno subito un rapido sviluppo e hanno attirato ampie attenzioni nella scienza di base e nelle applicazioni pratiche. Il sensing è spesso paragonato agli organi di senso umani. La fibra ottica non solo può trasportare le informazioni acquisite dai sensori ad alta velocità e volume elevato, ma può anche svolgere il ruolo di elemento sensibile stesso.

2. Record Nr.	UNINA9910299936303321
Titolo	Advances in Human Factors in Robots and Unmanned Systems : Proceedings of the AHFE 2017 International Conference on Human Factors in Robots and Unmanned Systems, July 1721, 2017, The Westin Bonaventure Hotel, Los Angeles, California, USA // edited by Jessie Chen
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2018
ISBN	3-319-60384-1
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (XII, 358 p. 142 illus.)
Collana	Advances in Intelligent Systems and Computing, , 2194-5365 ; ; 595
Disciplina	629.892019
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
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	A model for temperament and emotions on robots -- Spatial understanding as a common basis for human-robot collaboration -- Issues and advances in anomaly detection evaluation for joint human-automated systems -- UAS detect and avoid – alert times and pilot performance in remaining well clear -- How close is close enough? Temporal matching between visual and tactile signaling -- Human robot team development: An operational and technical perspective -- Toward an “equal-footing” human-robot interaction for fully

autonomous vehicles.

Sommario/riassunto

This book focuses on the importance of human factors in the development of reliable and safe unmanned systems. It discusses current challenges such as how to improve perceptual and cognitive abilities of robots, develop suitable synthetic vision systems, cope with degraded reliability of 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 display and control of technologies across unmanned systems. Based on the AHFE 2017 International Conference on Human Factors in Robots and Unmanned Systems, held on July 17-21, Los Angeles, California, USA, this book is expected to foster new discussion and stimulate new ideas towards the development of more reliable, safer, and functional devices for carrying out automated and concurrent tasks.
