Record Nr.	UNINA9910523805203321
Titolo	Advances in Assistive Technologies : Selected Papers in Honour of Professor Nikolaos G. Bourbakis – Vol. 3 / / edited by George A. Tsihrintzis, Maria Virvou, Anna Esposito, Lakhmi C. Jain
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2022
ISBN	3-030-87132-0
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (317 pages)
Collana	Learning and Analytics in Intelligent Systems, , 2662-3455 ; ; 28
Disciplina	681.761
Soggetti	Computational intelligence
	Biomedical engineering Artificial intelligence
	Computational Intelligence
	Biomedical Engineering and Bioengineering
	Artificial Intelligence
Lingua di pubblicazione	Inglese
Lingua di pubblicazione Formato	Materiale a stampa
Formato	Materiale a stampa
Formato Livello bibliografico	Materiale a stampa Monografia

1.

availability of assistive technologies that offer people in need the opportunity to live secure and controlled lives with more active participation in society and at a reduced assistive cost. This task can be accomplished only with more advanced devices than traditionalpowered wheelchairs or eating/drinking devices, including prosthetics, exoskeletons, visual and hearing aids, cognitive aids, and devices enhanced with artificial intelligence. The book consists of an editorial note and an additional twelve (12) chapters, all of which have been written by authors who work on the corresponding chapter theme and are recognized for their significant research contributions. In more detail, the chapters in the book are organized into four parts, namely (i) Advances in Assistive Technologies in Healthcare, (ii) Advances in Assistive Technologies in Medical Diagnosis, (iii) Advances in Assistive Technologies in Mobility and Navigation, and (iv) Advances in Privacy and Explainability in Assistive Technologies. This research book is directed towards professors, researchers, scientists, engineers, and students in assistive technologies. It is also directed towards readers who come from other disciplines and is interested in becoming versed in some of the most recent assistive technologies. An extensive list of bibliographic references at the end of each chapter guides its readers to probe further into the application areas of interest to them.