

1. Record Nr.	UNINA9910299879303321
Titolo	Sensors and Microsystems : Proceedings of the 19th AISEM 2017 National Conference / / edited by Alessandro Leone, Angiola Forleo, Luca Franciosi, Simona Capone, Pietro Siciliano, Corrado Di Natale
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2018
ISBN	3-319-66802-1
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (XI, 330 p. 146 illus.)
Collana	Lecture Notes in Electrical Engineering, , 1876-1119 ; ; 457
Disciplina	681.2
Soggetti	Electronics Microtechnology Microelectromechanical systems Lasers Biotechnology Biomedical engineering Electronics and Microelectronics, Instrumentation Microsystems and MEMS Laser Chemical Bioengineering Biomedical Engineering and Bioengineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Sommario/riassunto	This book showcases the state of the art in the field of sensors and microsystems, revealing the impressive potential of novel methodologies and technologies. It covers a broad range of aspects, including: bio-, physical and chemical sensors; actuators; micro- and nano-structured materials; mechanisms of interaction and signal transduction; polymers and biomaterials; sensor electronics and instrumentation; analytical microsystems, recognition systems and signal analysis; and sensor networks, as well as manufacturing technologies, environmental, food and biomedical applications. The

book gathers a selection of papers presented at the 19th AISEM National Conference on Sensors and Microsystems. Held in Lecce, Italy in February 2017, the event brought together researchers, end users, technology teams and policy makers. .
