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Nota di contenuto	Piezoelectric actuators and their applications / N. Suresh Kumar, R. Padma Suvarna, K. Chandra Babu Naidu, S. Ramesh, M.S.S.R.K.N. Sarma, H. Manjunatha, Ramyakrishna Pothu and Rajender Boddula -- Design considerations for shape memory alloy-based control applications / Josephine Selvarani Ruth D and Glory Rebekah Selvamani D -- Actuators in mechatronics / Akubude, Vivian C., Ogunlade, Clement A. and Adeleke, Kehinde M.
Sommario/riassunto	"As demand has increased for new types of equipment that are more suited to the ever-evolving world of industry, demand for both new and traditional types of actuators has soared. From automotive and aeronautical to biomedical and robotics, engineers are constantly developing actuating devices that are adapted to their particular needs in their particular field, and actuators are used in almost every field of engineering that there is. This volume not only lays out the fundamentals of actuators, such as how they operate, the different kinds, and their various applications, but it also informs the engineer or student about the new actuators that are being developed and the state-of-the-art of actuators. Edited and written by highly experienced and well-respected engineers with a deep understanding of their

subject, there is no other volume on actuators that is more current or comprehensive. Whether as a guide for the latest innovations in actuators, a refresher reference work for the veteran engineer, or an introductory text for the engineering student, this is a must-have for any engineer's or university's library. Covering the theory and the practical applications, this breakthrough volume is a "one stop shop" for any engineer or student interested in actuators"-- Provided by publisher
