

1. Record Nr.	UNINA9911004758703321
Autore	Zhang Peng
Titolo	Advanced industrial control technology / / Peng Zhang
Pubbl/distr/stampa	Amsterdam ; ; Boston, : Elsevier, 2010
ISBN	1-282-77036-5 9786612770364 1-4377-7808-9
Edizione	[1st ed.]
Descrizione fisica	1 online resource (865 p.)
Disciplina	670.427
Soggetti	Process control
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	pt. 1. Industrial control fundamentals -- pt. 2. Field elements of industrial control systems -- pt. 3. Embedded hardware in industrial control systems -- pt. 4. Controllers and computers for industrial controls -- pt. 5. Embedded networks in industrial control systems -- pt. 6. Interfaces in industrial control systems -- pt. 7. Embedded industrial control software -- pt. 8. Industrial control system routines.
Sommario/riassunto	Control engineering seeks to understand physical systems, using mathematical modeling, in terms of inputs, outputs and various components with different behaviors. It has an essential role in a wide range of control systems, from household appliances to space flight. This book provides an in-depth view of the technologies that are implemented in most varieties of modern industrial control engineering. A solid grounding is provided in traditional control techniques, followed by detailed examination of modern control techniques such as real-time, distributed, robotic, embedded, compute