

1. Record Nr.	UNINA9910812328603321
Titolo	Plantwide control : recent developments and applications // edited by Gade Pandu Rangaiah and Vinay Kariwala
Pubbl/distr/stampa	Hoboken, N.J., : Wiley, 2012
ISBN	9786613426475 9781119940883 1119940885 9781283426473 1283426471 9781119968962 1119968968 9781119968979 1119968976
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (498 p.)
Altri autori (Persone)	RangaiahGade Pandu KariwalaVinay
Disciplina	660/.2815
Soggetti	Chemical process control Chemical plants - Management
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. Overview and perspectives -- pt. 2. Tools and heuristics -- pt. 3. Methodologies -- pt. 4. Application studies -- pt. 5. Emerging topics.
Sommario/riassunto	The use of control systems is necessary for safe and optimal operation of industrial processes in the presence of inevitable disturbances and uncertainties. Plant-wide control (PWC) involves the systems and strategies required to control an entire chemical plant consisting of many interacting unit operations. Over the past 30 years, many tools and methodologies have been developed to accommodate increasingly larger and more complex plants. This book provides a state-of-the-art of techniques for the design and evaluation of PWC systems. Various applications taken from chemical, petrochemical,

