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	resource] /] / Mietek A. Brdys, Piotr Tatjewski
Pubbl/distr/stampa	London, : Imperial College Press, c2005
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Altri autori (Persone)	TatjewskiPiotr
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Nota di bibliografia	Includes bibliographical references (p. 355-362) and index.
Nota di contenuto	Preface; Notation and Acronyms; Contents; Chapter 1 Multilayer Control; Chapter 2 Optimizing Control Layer; Chapter 3 Iterative Correction with Disturbance Estimation; Chapter 4 Integrated System Optimization and Parameter Estimation (ISOPE); Chapter 5 ISOPE for Problems with Output Constraints; Chapter 6 Iterative Algorithms for Dynamic Optimizing Control; Chapter 7 Optimizing Control of Interconnected Systems; Appendix A Proof of Theorem 4.1; Appendix B Proofs of Theorems 7.1, 7.2 and 7.3; Bibliography; Index
Sommario/riassunto	The book presents basic structures, concepts and algorithms in the area of multilayer optimizing control of industrial systems, as well as the results of the research that was carried out by the authors over the last two decades. The methodologies and control algorithms are thoroughly illustrated by numerous simulation examples. Also, the applications to several case study examples are presented. These include ethylene distillation column, vaporizer pilot scale plant, styrene distillation line consisting of three columns and industrial furnace pilot scale plant. A temporal decomposition is app

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