1. Record Nr.   UNINA9910154687703321

   Titolo   Designing texts : teaching visual communication / / Edited by Eva R.
                         Brumberger and Kathryn M. Northcut

   Pubbl/distr/stampa   London, [England] ; ; New York, New York : , : Routledge, , 2017
                         ©2017

   ISBN   1-315-23246-4
                         1-351-86814-4

   Descrizione fisica   1 online resource (340 pages) : illustrations

   Collana   Baywood's Technical Communications Series

   Disciplina   302.22

   Soggetti   Visual communication - Study and teaching (Higher)
                         Interdisciplinary approach in education

   Lingua di pubblicazione   Inglese

   Formato   Materiale a stampa

   Livello bibliografico Monografia

   Nota di bibliografia Includes bibliographical references and index.

2. Record Nr.	UNINA9910966370103321
Titolo	Investments in federal facilities : asset management strategies for the 21st century / / Committee on Business Strategies for Public Capital Investment, Board on Infrastructure and the Constructed Environment, Division on Engineering and Physical Sciences, National Research Council
Pubbl/distr/stampa	Washington, D.C., : National Academies Press, c2004
ISBN	9786610179787
	9780309165952
	0309165954
	9781280179785
	1280179783
	9780309508575
	0309508576
Edizione	[1st ed.]
Descrizione fisica	1 online resource (160 p.)
Disciplina	352.5/6
Soggetti	Public buildings - United States
	Buildings - United States
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	FrontMatter -- Chairman's Foreword -- Preface -- Acknowledgments of Committee Members and Reviewers -- Contents -- List of Figures and Tables -- Executive Summary -- 1 Context -- 2 Facilities Asset Management -- 3 Decision Making to Support Organizational Missions -- 4 Environments for Effective Decision Making -- 5 Alternative Approaches for Acquiring Federal Facilities -- 6 Adapting Principles and Policies from Best-Practice Organizations to the Federal Operating Environment -- Bibliography -- Appendixes -- A Biographical Sketches of Committee Members -- B Committee Interviews and Briefings -- C Interview Discussion Outline.
Sommario/riassunto	Facilities now owned by the Federal Government are valued at over $300 billion. It also spends over $25 billion per year for acquisition, renovation, and upkeep. Despite the size of these sums, there is a

growing litany of problems with federal facilities that continues to put a drain on the federal budget and compromise the effectiveness of federal services. To examine ways to address these problems, the sponsoring agencies of the Federal Facilities Council (FFC) asked the National Research Council (NRC) to develop guidelines for making improved decisions about investment in and renewal, maintenance, and replacement of federal facilities. This report provides the result of that assessment. It presents a review of both public and private practices used to support such decision making and identifies appropriate objectives, practices, and performance measures. The report presents a series of recommendations designed to assist federal agencies and departments improve management of and investment decision making for their facilities.

3.

Record Nr.	UNINA9910298971603321
Titolo	Applications of Metaheuristics in Process Engineering / / edited by Jayaraman Valadi, Patrick Siarry
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2014
ISBN	3-319-06508-4
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (451 p.)
Disciplina	660.28
Soggetti	Artificial intelligence
	Computational intelligence
	Chemical engineering
	Artificial Intelligence
	Computational Intelligence
	Industrial Chemistry/Chemical Engineering
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 at the end of each chapters.
Nota di contenuto	Metaheuristics in Process Engineering: A Historical Perspective -- Applications of Genetic Algorithms in Chemical Engineering I:

Methodology -- Applications of Genetic Algorithms in Chemical Engineering II: Case Studies -- Strategies for Evolutionary Data-Driven Modeling in Chemical and Metallurgical Systems -- Swarm Intelligence in Pulp and Paper Process Optimization -- Particle Swarm Optimization Technique for Optimal Design of Plate Type Distillation Column -- Reliable Optimal Control of a Fed-Batch Fermentation Process Using Ant Colony Optimisation and Bootstrap Aggregated Neural Network Models -- Biogeography-Based Optimization (BBO) for Dynamic Optimization of Chemical Reactors -- Biogeography-Based Optimization (BBO) Algorithm for Optimization of Heat Exchangers -- Optimization Heuristics Mimicking Chemical Processes -- In Silico Maturation: Processing Sequences to Improve Biopolymer Function Based on Genetic Algorithms -- Molecular Engineering of Electrically Conducting Polymers Using Artificial Intelligence Methods -- Applications of Genetic Algorithms in QSAR/QSPR Modeling -- Genetic Algorithms in Drug Design: A Not So Old Story in a Newer Bottle -- Multi objective Genetic Algorithms for Chemical Engineering Applications -- A Multi objective Modelling and Optimization Framework for Operations Management of a Fresh Fruit Supply Chain: A Case Study on a Mexican Lime Company -- Jumping Gene Adaptations of NSGA-II with Altruism Approach: Performance Comparison and Application to Williams-Otto Process -- Hybrid Approach for Multi objective Optimization and Its Application to Process Engineering Problems.

| Sommario/riassunto | Metaheuristics exhibit desirable properties like simplicity, easy parallelizability, and ready applicability to different types of optimization problems such as real parameter optimization, combinatorial optimization, and mixed integer optimization. They are thus beginning to play a key role in different industrially important process engineering applications, among them the synthesis of heat and mass exchange equipment, synthesis of distillation columns, and static and dynamic optimization of chemical and bioreactors. This book explains cutting-edge research techniques in related computational intelligence domains and their applications in real-world process engineering. It will be of interest to industrial practitioners and research academics. |