1. Record Nr. UNINA9910145052403321

Titolo	Aquacultural engineering
Pubbl/distr/stampa	[Amsterdam], : Elsevier Science
ISSN	1873-5614
Soggetti	Aquaculture Aquacultural engineering Periodicals.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Periodico
Note generali	Refereed/Peer-reviewed

2. Record Nr. UNINA9910300137103321

Autore	Smith J. M (J. MacGregor)
Titolo	Introduction to Queueing Networks : Theory Practice / / by J. MacGregor Smith
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2018
ISBN	9783319788227 3319788221
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (579 pages)
Collana	Springer Series in Operations Research and Financial Engineering, , 1431-8598
Disciplina	519.82
Soggetti	Mathematical models Computer simulation Transportation engineering Traffic engineering Mathematical Modeling and Industrial Mathematics Simulation and Modeling Transportation Technology and Traffic Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction G(V,E) -- Problem Overview (G(V,E)) -- Mathematical Models and Properties of Queues G(V) -- Transportation and Loss Queues G(E) -- Open Queueing Network Algorithms f(G(V,E)) -- Closed Queueing Network Performance Models f(G(V,E,N)) -- Optimal Resource Allocation Problems (ORAP) G(V*) in TND -- Optimal Routing Problems (ORTE) G(E*) in TND -- Optimal Topology Problems (OTOP) G(V,E)* in TND -- Final Coda.
Sommario/riassunto	The book examines the performance and optimization of systems where queueing and congestion are important constructs. Both finite and infinite queueing systems are examined. Many examples and case studies are utilized to indicate the breadth and depth of the queueing systems and their range of applicability. Blocking of these processes is very important and the book shows how to deal with this problem in an effective way and not only compute the performance measures of throughput, cycle times, and WIP but also to optimize the resources within these systems. The book is aimed at advanced undergraduate, graduate, and professionals and academics interested in network design, queueing performance models and their optimization. It assumes that the audience is fairly sophisticated in their mathematical understanding, although the explanations of the topics within the book are fairly detailed.