

1. Record Nr.	UNINA9911089204103321
Autore	Langford Gary O.
Titolo	Engineering systems integration : theory, metrics, and methods / / Gary O. Langford
Pubbl/distr/stampa	Boca Raton, : CRC Press/Taylor & Francis, 2012 Boca Raton : , : CRC Press, , [2012] ©2012
ISBN	9780429109744 0429109741 9781439852897 1439852898
Descrizione fisica	1 online resource (397 pages)
Disciplina	620/.0042 620.0042
Soggetti	Systems engineering Systems integration System analysis Product life cycle Anàlisi de sistemes Enginyeria de sistemes Cicle de vida del producte
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.
Nota di contenuto	Front Cover; Contents; Disclaimer; Foreword; Preface; Author; Chapter 1: Importance of Integration; Chapter 2: Essences of Interaction; Chapter 3: Foundations in Systems Integration; Chapter 4: Systems; Chapter 5: Integration in Systems Engineering Context; Chapter 6: Systems Integration Management; Glossary of Terms; Back Cover
Sommario/riassunto	Dreamers may envision our future, but it is the pragmatists who build it. Solve the right problem in the right way, mankind moves forward. Solve the right problem in the wrong way or the wrong problem in the right way, however clever or ingenious the solution, neither credits mankind. Instead, this misfire demonstrates a failure to appreciate a

crucial step in pragmatic problem solving: systems integration. The first book to address the underlying premises of systems integration and how to exposit them in a practical and productive manner, Engineering Systems Integratio

2. Record Nr.	UNINA9910299941903321
Autore	Li
Titolo	Fundamentals of Optical Computing Technology : Forward the Next Generation Supercomputer / / by Xiujian Li, Zhengzheng Shao, Mengjun Zhu, Junbo Yang
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2018
ISBN	981-10-3849-X
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (XII, 295 p. 266 illus., 76 illus. in color.)
Altri autori (Persone)	Xiujian
Disciplina	621.3
Soggetti	Telecommunication Lasers Optical materials Computer engineering Computer networks Microwaves, RF Engineering and Optical Communications Laser Optical Materials Computer Engineering and Networks
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Preface -- Summary of Optical computing Technology -- Semiconductor MQWs Photo-electronic Logic Devices -- Minitype Light Source for Optical Computing -- Micro- and Diffractive Optical Elements -- Optical Storage -- Parallel Optical Interconnections -- Optical buffer and full-optical synchronization -- Summary.
Sommario/riassunto	This book presents the principles, experimental technologies, up-to-date research findings and applications of various optical-computing technologies and devices. It also discusses semiconductor multiple

quantum well (MQW) photoelectronic devices, vertical-cavity surface-emitting lasers (VCSELs), lasers, micro optical elements and diffractive optical elements, optical storage, optical parallel interconnections, and optical-buffer technology as the main technologies for optical computing. Furthermore, it explores the potential of optical-computing technology. It offers those involved in optical design, photonics, and photoelectronic research and related industries insights into the fundamentals and theories of optical computing, enabling them and to extend and develop the functions of fundamental elements to meet the requirement of optical-computing systems.
