

1. Record Nr.	UNINA9910823178603321
Autore	Sydenham P. H
Titolo	Systems approach to engineering design // Peter H. Sydenham
Pubbl/distr/stampa	Boston, : Artech House, c2004
ISBN	1-58053-774-X
Edizione	[1st ed.]
Descrizione fisica	1 online resource (350 p.)
Collana	Artech House technology management and professional development library
Disciplina	620/.0042
Soggetti	Engineering design Systems 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 and index.
Nota di contenuto	; Chapter 1. Systems Thinking and Systems Engineering -- ; Chapter 2. Systems Design and Project Management -- ; Chapter 3. Design Team Formation and Staff Selection -- ; Chapter 4. IT in Support of Design -- ; Chapter 5. The Design and Development Task -- ; Chapter 6. Design Concept and Requirements Development -- ; Chapter 7. Establishing and Selecting Design Choices -- ; Chapter 8. Optimizing a Design -- ; Chapter 9. Suitability and Operability Aspects of a Design -- ; Chapter 10. Legal and Security Issues -- ; Chapter 11. Prototyping and Modeling in Design -- ; Chapter 12. Change and Future Trends.
Sommario/riassunto	Until now systems engineering methods have been the exclusive domain of large organizations employing hundreds of engineers to develop and deliver complex, tightly integrated systems designs. This book offers you a thorough and practical introduction to using systems engineering for managing your systems design projects. It empowers you with proven techniques that help you lead a small design team to world-class performance levels.