

| | |
|-------------------------|---|
| 1. Record Nr. | UNINA9910968391903321 |
| Autore | Eppinger Steven D |
| Titolo | Design structure matrix methods and applications // Steven D. Eppinger and Tyson R. Browning |
| Pubbl/distr/stampa | Cambridge, Mass., : MIT Press, 2012 |
| ISBN | 9780262301428 (e-book) 9780262017527 (hbk.) 9780262528887 (pbk.) 1-62870-911-1 1-280-67836-4 9786613655295 0-262-30142-3 |
| Edizione | [1st ed.] |
| Descrizione fisica | 1 online resource (xii, 334 p.) : ill |
| Collana | Engineering systems |
| Altri autori (Persone) | BrowningTyson R. <1971-> |
| Disciplina | 670.42/7 |
| Soggetti | Product design Systems engineering Flexible manufacturing systems |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | AC-SUB CatBulkString:june.28.13 CatMonthString:june.13 Multi-User. |
| Nota di bibliografia | Includes bibliographical references and index. |
| Nota di contenuto | 1. Introduction to design structure matrix methods -- 2. Product architecture DSM models -- 3. Product architecture DSM examples -- 4. Organization architecture DSM models -- 5. Organization architecture DSM examples -- 6. Process architecture DSM models -- 7. Process architecture DSM examples -- 8. Multidomain architecture MDM models -- 9. Multidomain architecture MDM examples -- 10. The future of DSM -- Index. |
| Sommario/riassunto | An introduction to a powerful and flexible network modeling tool for developing and understanding complex systems, with many examples from a range of industries. Design structure matrix (DSM) is a straightforward and flexible modeling technique that can be used for |

designing, developing, and managing complex systems. DSM offers network modeling tools that represent the elements of a system and their interactions, thereby highlighting the system's architecture (or designed structure). Its advantages include compact format, visual nature, intuitive representation, powerful analytical capacity, and flexibility. Used primarily so far in the area of engineering management, DSM is increasingly being applied to complex issues in health care management, financial systems, public policy, natural sciences, and social systems. This book offers a clear and concise explanation of DSM methods for practitioners and researchers.
