

| | |
|-------------------------|--|
| 1. Record Nr. | UNINA9910133581603321 |
| Autore | Li Wenyuan |
| Titolo | Probabilistic transmission system planning // Wenyuan Li |
| Pubbl/distr/stampa | Hoboken, N.J., : Wiley-IEEE Press, c2011 |
| ISBN | 1-283-37269-X 9786613372697 0-470-93470-0 0-470-93210-4 0-470-93211-2 |
| Descrizione fisica | 1 online resource (378 p.) |
| Collana | IEEE Press series on power engineering ; ; 22 |
| Classificazione | TEC031000 |
| Disciplina | 621.319 |
| Soggetti | Electric power transmission - Planning - Statistical methods Probabilities |
| 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 | Basic Concepts of Probabilistic Planning -- Load Modeling -- System Analysis Techniques -- Probabilistic Reliability Evaluation -- Economic Analysis Methods -- Data in Probabilistic Transmission Planning -- Fuzzy Techniques for Data Uncertainty -- Network Reinforcement Planning -- Retirement Planning of Network Components -- Substation Planning -- Single-Circuit Supply System Planning -- Appendix A: Elements of Probability Theory and Statistics -- Appendix B: Elements of Fuzzy Mathematics -- Appendix C: Elements of Reliability Evaluation -- References -- Index -- IEEE Press Series on Power Engineering. |
| Sommario/riassunto | "The book is composed of 12 chapters and three appendices, and can be divided into four parts. The first part includes Chapters 2 to 7, which discuss the concepts, models, methods and data in probabilistic transmission planning. The second part, Chapters 8 to 11, addresses four essential issues in probabilistic transmission planning applications using actual utility systems as examples. Chapter 12, as the third part, focuses on a special issue, i.e. how to deal with uncertainty of data in probabilistic transmission planning. The fourth part consists of three appendices, which provide the basic knowledge in mathematics for probabilistic planning. Please refer to the attached table of contents |

which is given in a very detailed manner"--
