Record Nr. UNINA9910454169803321 Autore Wadhwa C. L **Titolo** High voltage engineering [[electronic resource] /] / C.L. Wadhwa New Delhi,: New Age International (P) Ltd., Publishers, 2007 Pubbl/distr/stampa **ISBN** 1-281-22437-5 9786611224370 81-224-2323-X Edizione [2nd ed.] Descrizione fisica 1 online resource (312 p.) Disciplina 621.319 621.31913 Soggetti High voltages Electronic books. 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 Cover; Preface; Contents; Chapter 0. Electric Stress Estimation and Control; Chapter 1. Breakdown Mechanism of Gaseous, Liquid and Solid Materials; Chapter 2. Generation of High D.C. and A.C. Voltages; Chapter 3. Generation of Impulse Voltages and Currents; Chapter 4. Measurement of High Voltages and Currents; Chapter 5. High Voltage Testing of Electrical Equipment; Chapter 6. Nondestructive Insulation Test Techniques: Chapter 7. Transients in Power Systems and Insulation Coordination; Multiple Questions; Index Sommario/riassunto High Voltage Engineering has been written for the undergraduate students in Electrical Engineering of Indian and foreign universities as well as the practising engineers. It deals in mechanism of breakdown of insulating materials, generation and measurement of high A.C., D.C., impulse voltages and currents. High voltage testing of some of the electrical equipments e.g. insulators, cables, transformers as per standard specifications has been explained. Various methods of non destructive testing which yield information regarding life expectancy

and the long term stability or otherwise of the ins