1. Record Nr. UNINA9910135887203321 IEEE Std 1137-1991: IEEE Guide for the Implementation of Inductive Titolo Coordination Mitigation Techniques and Application / / Institute of **Electrical and Electronics Engineers** Piscataway, NJ, USA:,: IEEE, , 1991 Pubbl/distr/stampa **ISBN** 0-7381-0570-8 Descrizione fisica 1 online resource Disciplina 537 Soggetti Electromagnetic induction **IEEE Standards** Electromagnetic compatibility Electromagnetic interference Power cables Communication standards Wire communication cables Lingua di pubblicazione Inglese Materiale a stampa **Formato** Livello bibliografico Monografia IEEE Std 1137-1991 provides guidance for controlling or modifying the Sommario/riassunto inductive environment and the susceptibility of affected wire line telecommunications facilities in order to operate within the acceptable levels of steady-state or surge induced voltages of the environmental interface (probe wire) defined by IEEE Std 776-1987 (Guide for Inductive Coordination of Electric Supply and Communications Lines). Procedures for determining the source of the problem are given. Mitigation theory and philosophy are discussed, and mitigation devices are described. The application of typical mitigation apparatus and techniques and installation, maintenance, and inspection of mitigation apparatus are addressed. Advice for determining the best engineering solution is offered, and general safety considerations are discussed.