Record Nr. UNINA9910140185003321 Infrastructure systems for nuclear energy / / editors Thomas T. Hsu, **Titolo** Jui-Liang Lin, Chiun-lin Wu Pubbl/distr/stampa Chichester, England:,: Wiley,, 2014 ©2014 **ISBN** 1-118-53625-8 1-118-53626-6 1-118-53627-4 Descrizione fisica 1 online resource (590 p.) TEC009020 Classificazione Altri autori (Persone) HsuThomas T. C <1933-> (Thomas Tseng Chuang) LinJui-Liang WuChiun-lin 621.48 Disciplina Soggetti Nuclear power plants - Earthquake effects Reinforced concrete construction - Design and construction Nuclear power plants - Design and construction Nuclear power plants - Asia Nuclear facilities - Earthquake effects 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 at the end of each chapters and index. Nota di contenuto Cover; Title Page; Copyright; Contents; List of Contributors; Preface; Acronyms; Chapter 1 Introduction; 1.1 International Workshop on Infrastructure Systems for Nuclear Energy; 1.2 Overview of Nuclear Power Plants; 1.3 Infrastructure for Nuclear Power Industry; 1.3.1 Technological Infrastructure; 1.3.2 Regulatory Infrastructure; 1.3.3 Computer Technology Infrastructure: 1.3.4 Human Infrastructure: 1.4 Containment Structures; 1.4.1 The Pressurized Water Reactors; 1.4.2 The Boiling Water Reactors: 1.4.3 Design and Testing Requirements: 1.5 Nuclear Waste Storage Facilities 1.5.1 Spent Fuel Pools1.5.2 Operation; 1.5.3 Dry Cask Storage; Part One Infrastructure for Nuclear Power Industry: Chapter 2 Current Status and Future Role of Nuclear Power; 2.1 Introduction; 2.1.1 World Population Aspects; 2.1.2 World Climate Aspects; 2.1.3 Contribution of

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## Sommario/riassunto

"Infrastructure Systems for Nuclear Energy summarizes this progress with an up-to-date reference to guide the future research and design of infrastructure systems for nuclear energy"--