Record Nr. UNINA9910254338703321 Autore Pham Viet-Thanh Titolo Systems with Hidden Attractors: From Theory to Realization in Circuits // by Viet-Thanh Pham, Christos Volos, Tomasz Kapitaniak Pubbl/distr/stampa Cham: .: Springer International Publishing: .: Imprint: Springer. . 2017 Edizione [1st ed. 2017.] Descrizione fisica 1 online resource (IX, 105 p. 61 illus., 23 illus. in color.) Collana SpringerBriefs in Nonlinear Circuits, , 2520-1433 Disciplina 621.3815 Soggetti Electronic circuits Information theory Circuits and Systems Information and Communication, Circuits **Electronic Circuits and Devices** Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Includes bibliographical references and index. Nota di bibliografia Nota di contenuto Hiddent Attractors: A New Definition -- The Presence of Hidden Attractors in Nonlinear Systems -- Systems with Stable Equilibria --Systems with an Infinite Number of Equilibrium Points -- Systems Without Equilibrium -- Synchronization of Systems with Hidden Attractors -- Circuitry Realization. Conclusion. This brief provides a general overview of nonlinear systems that exhibit Sommario/riassunto hidden-attractor behavior, a topic of interest in subjects as divers as physics, mechanics, electronics and secure communications. The brief is intended for readers who want to understand the concepts of the hidden attractor and hidden-attractor systems and to implement such systems experimentally using common electronic components. Emergent topics in circuit implementation of systems with hidden attractors are included. The brief serves as an up-to-date reference on an important research topic for undergraduate/graduate students,

laboratory researchers and lecturers in various areas of engineering

and physics.