Record Nr. UNINA9910815217803321 Autore Kostic Marko <1977, > Titolo Abstract Volterra integro-differential equations / / Marko Kostic. University of Novi Sad, Faculty of Technical Sciences, Novi Sad, Serbia Pubbl/distr/stampa Boca Raton:,: CRC Press,, [2015] ©2015 **ISBN** 0-429-16250-2 Edizione [1st ed.] Descrizione fisica 1 online resource (480 p.) Disciplina 515/.45 Volterra equations Soggetti Integro-differential equations 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 Nota di contenuto Cover; Preface; Notations; Introduction; Contents; 1: Preliminaries; 2: (a, k)-Regularized C-Resolvent Families in Locally Convex Spaces; 3: Hypercyclic and Topologically Mixing Properties of Certain Classes of Volterra Integro-Differential Equations; Addendum: Errors and Corrections; Bibliography Sommario/riassunto The theory of linear Volterra integro-differential equations has been developing rapidly in the last three decades. This book provides an easy to read concise introduction to the theory of ill-posed abstract Volterra integro-differential equations. A major part of the research is devoted to the study of various types of abstract (multi-term) fractional differential equations with Caputo fractional derivatives, primarily from

their invaluable importance in modeling of various phenomena

sciences. The book also contributes to the

appearing in physics, chemistry, engineering, biology and many other