1. Record Nr. UNINA9910257381303321 Autore Carrillo José Antonio Titolo Nonlocal and Nonlinear Diffusions and Interactions: New Methods and Directions: Cetraro, Italy 2016 / / by José Antonio Carrillo, Manuel del Pino, Alessio Figalli, Giuseppe Mingione, Juan Luis Vázguez : edited by Matteo Bonforte, Gabriele Grillo Cham:,: Springer International Publishing:,: Imprint: Springer., Pubbl/distr/stampa 2017 **ISBN** 3-319-61494-0 Edizione [1st ed. 2017.] Descrizione fisica 1 online resource (IX, 280 p. 29 illus., 24 illus. in color.) Collana C.I.M.E. Foundation Subseries;; 2186 Disciplina 515.7242 Soggetti Partial differential equations Functional analysis Mathematical physics Partial Differential Equations **Functional Analysis** Mathematical Applications in the Physical Sciences Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Sommario/riassunto Presenting a selection of topics in the area of nonlocal and nonlinear diffusions, this book places a particular emphasis on new emerging subjects such as nonlocal operators in stationary and evolutionary problems and their applications, swarming models and applications to biology and mathematical physics, and nonlocal variational problems. The authors are some of the most well-known mathematicians in this innovative field, which is presently undergoing rapid development. The intended audience includes experts in elliptic and parabolic equations who are interested in extending their expertise to the nonlinear setting,

as well as Ph.D. or postdoctoral students who want to enter into the

most promising research topics in the field.