Record Nr. UNINA9910155534303321 A Guide to Systems Research : Philosophy, Processes and Practice // **Titolo** edited by Mary C. Edson, Pamela Buckle Henning, Shankar Sankaran Pubbl/distr/stampa Singapore:,: Springer Singapore:,: Imprint: Springer,, 2017 **ISBN** 981-10-0263-0 Edizione [1st ed. 2017.] 1 online resource (XV, 244 p. 36 illus., 11 illus. in color.) Descrizione fisica Translational Systems Sciences, , 2197-8832;; 10 Collana Disciplina 658.1 Soggetti Organization **Planning** Operations research **Decision** making Economic sociology Computational complexity Project management Operations Research/Decision Theory Organizational Studies, Economic Sociology Complexity **Project Management** Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di bibliografia Includes bibliographical references and index. Foreword -- 1. Philosophical Foundations of Systems Research -- 2. Nota di contenuto Systems Research Framework -- 3. Problem Structuring and Research Design in Systemic Inquiry -- 4. Modeling and Simulation -- 5. Taking Action Using Systems Research -- 6. Systems Research Reporting -- 7. Competencies Necessary for Systems Research -- 8. Evaluating the Impact of Systems Research. This guide is designed for systems researchers – emerging and Sommario/riassunto seasoned – searching for holistic approaches of inquiry into complexity, which the Systems Sciences provide. The authors share insight into the foundations of research that are not only systematic in terms of rigor,

but systemic in perspective, analysis, design, development,

implementation, reporting, and evaluation. This guide also explores

researcher competencies necessary to conduct sound systems research. Researchers using this guide will gain understanding of what distinguishes systems research from other types of research and why it is important in research today.