Record Nr. UNINA9910876531503321 Complex systems and systems of systems engineering / / edited by **Titolo** Dominique Luzeaux, Jean-Rene Ruault, Jean-Luc Wippler Pubbl/distr/stampa Hoboken, N.J., : John Wiley, 2011 **ISBN** 9781118601495 1118601491 9781299146365 1299146368 9781118601570 1118601572 9781118601488 1118601483 Edizione [1st edition] Descrizione fisica 1 online resource (469 p.) Collana ISTE Altri autori (Persone) LuzeauxDominique RuaultJean-Rene WipplerJean-Luc Disciplina 620.001/1 Soggetti Systems engineering Large scale systems Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references and index. Nota di contenuto pt. 1. Engineering large-scale complex systems and emergency situation management -- pt. 2. Case study: Antarctica life support facility. Sommario/riassunto With the growing maturity of information and communication technologies, systems have been interconnected within growing networks, yielding new services through a combination of the system functionalities. This leads to an increasing complexity that has to be managed in order to take advantage of these system integrations. This book provides key answers as to how such systems of systems can be engineered and how their complexity can be mastered. After reviewing some definitions on systems of systems engineering, the book focuses

on concrete applications and offers a survey of the activities