Record Nr. UNINA9910826622403321 Autore Bosse Eloi <1956-> Titolo Concepts, models, and tools for information fusion / / Eloi Bosse, Jean Roy, Steve Wark Norwood, MA,: Artech House, c2007 Pubbl/distr/stampa **ISBN** 1-59693-082-9 Edizione [1st ed.] 1 online resource (392 p.) Descrizione fisica Altri autori (Persone) RoyJean WarkSteve Disciplina 355.3 355.33041 355.3304103 Soggetti Command and control systems Information warfare Multisensor data fusion 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 Concepts, Models, and Tools for Information Fusion; Contents v; Foreword xiii; Chapter 1 Introduction 1; Chapter 2 Decision-Making Models 11; Chapter 3 Situation Awareness and Analysis Models 27; Chapter 4 Data- and Information-Fusion Models 69; Chapter 5 Situation Analysis and Decision-Support Systems 119; Chapter 6 Knowledge, Belief, and Uncertainty 141; Chapter 7 Qualitative and Symbolic Approaches 151; Chapter 8 Quantitative Approaches 169; Chapter 9 Hybrid and Graphical Approaches 211; Computational Aspects of Information Fusion 231. In the heat of battle, a split second can be all the time a military Sommario/riassunto commander has to give orders. Information fusion technology enables commanders to lead decisively and confidently during active conflict. Masses of live information are instantaneously integrated to create a coherent and precise picture of a rapidly evolving situation. This book brings together an international panel of leading experts that give a fresh and cohesive perspective on this technology's models, methods,

mathematics, and computer systems. It considers the human factors

key to the automated analysis process. Providi.