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ISBN	1-59693-093-4
Descrizione fisica	1 online resource (882 p.)
Collana	Artech House information warfare library
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Soggetti	Automatic tracking Bayesian statistical decision theory Expert systems (Computer science) Multisensor data fusion - Mathematics Signal processing Target acquisition Tracking radar
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Nota di bibliografia	Includes bibliographical references (p. 821-836) and index.
Nota di contenuto	Chapter 11 Multitarget Calculus 343Chapter 12 Multitarget Likelihood Functions 399; Chapter 13 Multitarget Markov Densities 461; Chapter 14 The Multitarget Bayes Filter 483; Part III Approximate Multitarget Filtering 539; Chapter 15 Multitarget Particle Approximation 541; Chapter 16 Multitarget-Moment Approximation 565; Chapter 17 Multi-Bernoulli Approximation 655; Appendix A Glossary of Notation 683; Appendix BDirac.
Sommario/riassunto	This comprehensive resource provides you with an in-depth understanding of finite-set statistics (FISST)? a recently developed method which unifies much of information fusion under a single probabilistic, in fact Bayesian, paradigm. The book helps you master FISST concepts, techniques, and algorithms, so you can use FISST to address real-world challenges in the field. You learn how to model, fuse, and process highly disparate information sources, and detect and track non-cooperative individual/platform groups and conventional non-cooperative targets.