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	Titolo	Distributed Fusion Estimation for Sensor Networks with Communication Constraints / / by Wen-An Zhang, Bo Chen, Haiyu Song, Li Yu
	Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2016
	ISBN	981-10-0795-0
	Edizione	[1st ed. 2016.]
	Descrizione fisica	1 online resource (XII, 210 p. 96 illus., 38 illus. in color.)
	Disciplina	629.8
	Soggetti	Automatic control
		Signal processing
		Telecommunication
		Computer networks
		Control and Systems Theory
		Signal, Speech and Image Processing
		Communications Engineering, Networks
		Computer Communication Networks
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
	Nota di contenuto	Introduction -- Multi-Rate Kalman Fusion Estimation for WSNs -- Kalman Fusion Estimation for WSNs with Non-Uniform Estimation Rates -- H1 Fusion Estimation for WSNs with Non-Uniform Sampling Rates -- Fusion Estimation for WSNs Using Dimension Reduction Method -- H1 Fusion Estimation for WSNs with Quantization -- Hierarchical Asynchronous Fusion Estimation for WSNs -- Fusion Estimation for WSNs with Delayed Measurements -- Fusion Estimation for WSNs with Delays and Packet Losses.
	Sommario/riassunto	This book systematically presents energy-efficient robust fusion estimation methods to achieve thorough and comprehensive results in the context of network-based fusion estimation. It summarizes recent findings on fusion estimation with communication constraints; several novel energy-efficient and robust design methods for dealing with energy constraints and network-induced uncertainties are presented, such as delays, packet losses, and asynchronous information... All the

results are presented as algorithms, which are convenient for practical applications.