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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.

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